Access DB# _____

SEARCH REQUEST FORM

CRFE

Scientific and Technical Information Center

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Requester's Full Name:	- Ch	Examiner #: (95°) Date:
Art Unit: /(4) Pho	ne Number 30 8 - 120	8 Serial Number: 67/742374
Mail Box and Bldg/Room Loca	tion: <u>* * * / / / / / / / / / / / / / / / / </u>	Examiner #: <u>6950</u> Date: Serial Number: <u>69/742394</u> Results Format Preferred (circle): PAPER) DISK E-MAI
If more than one search is su	ıbmitted, please prio	ritize searches in order of need. ***********************************
Include the elected species or structur	res, keywords, synonyms, a erms that may have a specia	ribe as specifically as possible the subject matter to be searched. cronyms, and registry numbers, and combine with the concept or all meaning. Give examples or relevant citations, authors, etc, if and abstract.
Title of Invention:		
Inventors (please provide full name	es):	
Earliest Priority Filing Date:		
For Sequence Searches Only Please appropriate serial number.	include all pertinent informat	ion (parent, child, divisional, or issued patent numbers) along with the
Plase Sean	~ SE O	20 No: 1 and 2
of 09/942	374.	
		Point of Contact: Beverly Shears Technical Info. Specialist CM1 1E05 Tel: 308–4994
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STAFF USE ONLY Searcher: Bevery C	Type of Search	Vendors and cost where applicable STN
Searcher Phone #:	AA Sequence (#)	
Searcher Location:	•	
Date Searcher Picked Up:	Bibliographic	Dr.Link
Date Completed: $04-04-03$		
Searcher Prep & Review Time: 5	Fulltext	
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Online Time: 20	Other	Other (specify)
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GenCore version 5.1.3
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OM nucleic - nucleic search, using sw model

April ω 2003, 20:24:11; Search time 3676 Seconds (without alignments) 9452.870 Million cell updates/sec

Perfect score: Title: US-09-942-374-1 1194

Sequence: gcaccagccaacccacacac.....acattgttgagtggcactga 1194

Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 1.0

2054640 seqs, 14551402878 residues

Total number of hits satisfying chosen parameters: 4109280

Minimum DB Maximum DB seq length: 0
seq length: 2000000000

Database Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries GenEmbl:*

110. 112... 114... 115... 116. gb_ph:*
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ALIGNMENTS

AUTHORS TITLE	REFERENCE	ORGANISM	SOURCE	KEYWORDS	VERSION	ACCESSION	DEFINITION	Locus	AX395169	RESULT 1
Glucksmann, M.A. 57242, a novel human g protein-coupled receptor family member and uses therefor	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1	Homo sapiens	human.		AX395169.1 GI:21066219	AX395169		AX395169 1194 bp DNA linear PAT 18-MAY-2002		

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/translation="MYNGSCCRIEGDTISQVMPPLLIVAFVLGALGNGVALCGFCFHM
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                               AL Submitted (11-7UL-2001) Makiko Suwa, Computational Biology Research Submitted (11-7UL-2001) Makiko Suwa, Computational Biology Research Center (CBRC), National Institute of Advanced Industrial Science and Technology (AIST); 2-41-6 Aomi Koto-ku, Tokyo 135-0064, Japan (E-mail:m-suwa@aist-go.jp, UKL:http://www.cbrc.jp/.*

Tel:81-3-3599-8080, Fax:81-3-3599-8081)

This sequence is a seven transmembrane helix receptor candidate predicted from the whole human genome sequences using our automated system that contains programs of gene finding (GeneDecoder), sequence search, motif-domain assignment and transmembrane helix prediction.

And the sequence is submitted by the collaborative project between (Computational Biology Research Center (CBRC), National Institute of Advanced Industrial Science and Technology (AIST)) and (Genome Science Division, Research Center for Advanced Science and Technology (RCAST), University of Tokyo).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens gene for seven trànsmembrane helix receptor, complete cds, isolate:CBRC7TM_429.
AB065866
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Suwa,M., Sato,T., Okouchi,I., Arita,M., Futami,K., Tsutsumi,S., Aburatani,H., Asai,K. and Akiyama,Y. Genome-wide discovery and analysis of human seven t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/product="seven transmembrane helix receptor"
/protein_id="BAC06084.1"
/protein_id="BAC06084.1"
/db_xref="G1:21928997"
/translation="MYNGSCCRIEGDTISQVMPPLLIVAFVLGALGNGVALCGFCFHM/
KTWKPSTVYLFNLAVADFLLMICLFFRDYYLERRHWAFGDIFGNVGLFTLANNRAGS
IVFLTVVAADRYFKVHSHHANVNISGRVAAGIVCTLWALVILGTVYLLERHLCVQG
IVFLTVVAADRYFKVHSHHANVNISGRVAAGILCTLFTLAVILGTVAAGIKKA
TRFIMVVAIVFICYLESVSAELYFLMYVPSSACDSSVHGALHITLSFTYMNSMLDPL
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                  GAGGGGACACCATCTCCCAGGTGATGCCGCCGCTCCTCATTGTGGCCTTTTGTGCTGGCC
GAGGGGGACACCATCTCCCAGGTGATGCCGCCGCTGCTCATTGTGGCCTTTGTGCTGGGC
                                                                                   GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC
                                                             GCTCTGCACCCGGACACTTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC
                                                                                                                                AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGAACTCCCTGGGCT
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                                                                                                                                                                                                                                                                                                    Mao,M., Biery,M.C., Kobayashi,S.V., Schimmack,G.A., Ward
Schelter,J.M., Burchard,J., He,Y.D., Dai,H., Leonardson,
Coffey,E., Stoughton,R. and Linsley,P.S.
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                                                                                                                                                                                                                                                                                                                                                                      Coffey, E., Stoughton, R. and Linsley, P.S. T lymphocyte activation gene discovery using
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/product="T-cell activation G protein-coupled receptor splice variant 1"
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/protein_id="AAM43833.1"
/brotein_id="AAM43833.1"
/db xref="GI:21206858"
/translation="MYNGSCCRIEGDTISQVMPPLLIVAFVLGALGNGVALCGFCFHM KTWKPSTTYLFNLAVALDFLAM1CLFPFRDYYLRARHWAFGDIPCRVGLFTLAMNRAGS
IVFLTVAADRYEKVVHPHHAVNTISTRVAAGIVCTLAALVILGTVYLLERHLCVQE
TAVSCESFIMESANGWHBIMFGLEFFWPLGIILFCSFKIVMSLRRRQARMKKA
TRFIMVVAIVFITCYLPSVSARLYFLWTVPSSACDPSVHGALHITLSFTYMNSMLDPL
VYYFSSPSFFKFYNKLKICSLKPKQPGHSKTQRPEEMPISNLGRRSCISVANSFQSQS
                                                                                                                                                   /note="TA-GPCR"
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db_xref="taxon:9606"
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RESULT 6
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                                                              Query Match 99.4%;
Best Local Similarity 99.6%;
Matches 1189; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             source
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1 GCACCAGCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACRCAGC 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 (bases 1 to 3612)
Mao,M., Biery,M.C., Kobayashi,S.V., Schimmack,G.A., Ward,T.R., Schelter,J.M., Burchard,J., He,Y.D., Dai,H., Leonardson,A., Coffey,E., Stoughton,R. and Linsley,P.S.
Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mao,M., Biery,M.C., Kobayashi,S.V., Schimmack,G.A., Ward,T.R., Schelter,J.M., Burchard,J., He,Y.D., Dai,H., Leonardson,A., Coffey,B., Stoughton,R. and Linsley,P.S.
T.lymphocyte activation gene discovery using ink-jet microarrays
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 3612)
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AF385431
AF385431.1 GI:21205855
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115th Ave NE, Kirkland, WA 98034, USA
Location/Qualifiers
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                                                                                                                                                                         814 a
                                                                                                                                                                                                                                   /codon_start=1
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IVFLTVVAADRYFKVUHPHHAUNTISTRVAAGIVCTLWALVILGTVYLLLERHLCVOE
TAVSCESFIMESANGWHDIMFOLEFFMPLGIILFCSFKIVMSLERROOLARQARMKKA
TRFIMTVALUFITCYLEPSVARLYFLWTVDSSACDPSVHGALHITLSFTYMNSNLDPL
VYYFSSPSFPKRYNKLKICSLKPKQPGHSKTQRPEEMPISNLGRRSCISVANSFOSQS
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/db_xref="taxon:9606"
/chromosome="6"
                                                                                                                                                                                                                    DGQWDPHIVEWH"
                                                                                                                                                                                                                                                                                                                                                                                                                                                       note="TA-GPCR"
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                                                                Score 1187.2; DB 9; Pred. No. 1.3e-285; 1; Mismatches 4;
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1140 1230	CCGGAAGAGATGCCAATTTCGAACCTCGGTCGCAGGAGTTGCATCAGTGTGGCAAATAGT	Db Qy
08 17	AACAAGCTCAAAATCTGCAGTCTGAAACCCAAGCAGCCAGGACACTCAAAAACACAAAGG	Qy db
ъ о	ARCAGCATGCTGGATCCCCTGGTGTATTATTTTTCAAGCCCCTCCTTTCCCAAATTCTAC	B 8
960 1050	AGTGCCTGCGATCCCTCTGTCCATGGGGCCCTGCACATAACCCTCAGCTTCACCTACATG	δ δ
990	ATCACATGCTACCTGCCCAGCGTGTCTGCTAGACTCTATTTCCTCTGGACGGTGCCCTCG	당 왕
930	GCCAGACAGGCTCGGATGAAGAAGGCGACCCGGTTCATCATGGTGGTGGTAGTTGTGTTC	Db Qy
780 870	GGCATCATCTTATTTTGCTCCTTCAAGATTGTTTGGAGCCTGAGGCGGAGGCAGCAGCTG	Оy
720 810	ATGGAGTCGGCCAATGGCTGGCACGACATCATGTTCCAGCTGGAGTTCTTTATGCCCCTC	망양
660 750	CTTTTGCTGGAGAACCATCTCTGCGTGCAAGAGACGGCCGTCTCCTGTGAGAGCTTCATC	DB QQ
9 0	STAT	Qy Db
540 630	GCTGCGGACAGGTATTTCAAAGTGGTCCACCCCCACCACGGGTGAACACTATCTCCACC	dg Qy
480 570	GTGGGGCTCTTCACGTTGGCCATGAACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTG	g Q
420 510	TITCGGACAGACTATTACCTCAGACGTAGACACTGGGCTTITGGGGACATTCCCTV 	ρ γ
360 450	agcactgittaccttticaatitggccgtggctgaittcctccttatgaictgcct 	dg VQ
300	GCACTAGGCAATGGGGTCGCCCTGTGTGTGGTTTCTGCTTCCACATGAAGACCTGG 	g Q
330	GAGGGGGACACCATCTCCCAGGTGATGCCGCCGCTGCTCATTGTGGCCTTTGTGCT 	g 99
180	GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 1	B 8
120	AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT 1 	B 8
150	GCAGCATCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACGCAGC 1	Дb

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JOURNAL
REFERENCE
AUTHORS
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                                                                                                                                                               Submitted (31-JUL-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                                          of Molecular and Human
Baylor Plaza, Houston,
3 (bases 1 to 179703)
                                                                    Submitted (22-MAR-2000) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA
                                       Worley, K.C.
Direct Submission
                                                                                                                         Worley, K.
                                                                                                               Direct Submission
                                                                                                                                                 Unpublished
                                                                                                                                                             Direct Submission
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Homo sapiens chromosome 12 clon
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                                                                                                                                    (bases 1 to 179703)
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Db 125781 GAGGGGGACACCATCTCCCAGGTGATGCCGCCGCTGCTCATTGTGGCCTTTGTGCTGGGC 125840
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                                                                                                              Db 125721
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                                                                                                                                                                                                            Db 125661 AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT
                                                                                                                                                                                                                                                                                                          Db 125601 GCAGCATCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACGCAGC 125660
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Best Local Similarity
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                                                           181
                                                                                                                                           121 GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      source
                                                                                                                                                                                                                                          61 AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT 120
                                                                                                                                                                                                                                                                                                                                                             1 GCACCAGCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACRCAGC 60
                                     GAGGGGGACACCATCTCCCAGGTGATGCCGCCGCTGCTCATTGTGGCCTTTTGTGCTGGGC
                                                                                                      GCTCTGCACCCGGACACTTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NOTE: Estimated insert size may differ from sequence length (see http://www.hgsc.bcm.tmc.edu/docs/Genbank_draft_data.h NOTE: This is a 'working draft' sequence. It currently consists of 7 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs of N, but the exact sizes of the gaps are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="RP11-507N20"
48935 a 41206 c 40345 g 48613 t
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16100
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Sequencing vector: Plasmid;
Sequencing vector: M13;
Chemistry: Dye-primer Bodipy: 26% of reads
Chemistry: Dye-terminator Big Dye: 74% of reads
Chemistry: Dye-terminator Big Dye: 74% of reads
Assembly program: Phrap; version 0.990229
Consensus quality: 176980 bases at least Q40
Consensus quality: 177808 bases at least Q20
Consensus quality: 178158 bases at least Q20
Estimated insert size: 176741; sum-of-contigs estimation
Quality coverage: 9x in Q20 bases; sum-of-contigs estimation
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Center clone name: RP11-507N20
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Drafting Center Code: BCM
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3770
9726
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
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16199: gap of unknown length
27424: contig of 11225 bp in length
27524: gap of unknown length
41488: contig of 13964 bp in length
41588: gap of unknown length
114308: contig of 72720 bp in length
114408: gap of unknown length
179703: contig of 65295 bp in length.
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9725: contig of 5956 bp in length
9825: gap of unknown length
16099: contig of 6274 bp in length
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Pred. No. 1.8e-285;
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           210805 bp DNA linear H
Homo sapiens chromosome 12 clone RP11-324E6, WORKING
SEQUENCE, 8 unordered pieces.
AC026333
AC026333.27 GI:22038297
                                                       HTG 02-AUG-2002
NG DRAFT
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AUTHORS
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KEYWORDS
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RES Muzny, D.M., Adams, C., Adio-Oduola, B., Ali-osman, F.R., Allen, C., Allen, C., Alshrooks, S.L., Amaratunge, H.C., Are, J.R., Ayela, M., Banks, T., Alshrooks, S.L., Amaratunge, H.C., Are, J.R., Ayela, M., Banks, T., Alshrooks, S.L., Benton, J., Binage, K., Blankenburg, K., Bonnin, D., Barbaria, J., Bewde, S., Brieva, M., Brown, E., Brown, M., Bryant, N.P., Buhay, C., Burch, P., Burkett, C., Burch, F., Burkett, C., Burch, P., Burkett, C., Chen, G., Chen, G., Chen, G., Chen, R., Chen, Z., Chwedhry, I., Christopoulos, C., Chen, G., Chen, R., Chen, Z., Chwedhry, I., Christopoulos, C., Chen, G., Chen, R., Chen, Z., Chwedhry, I., Christopoulos, C., Chen, G., Chen, R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Delgado, O., Denn, A.L., Ding, Y., Dinh, H.H., Delantey, K.R., Berter, P., Frantz, P., Falla, T., Ferraguto, D., Flagg, N., Ford, J., Geter, P., Frantz, P., Falla, T., Ferraguto, D., Flagg, N., Ford, J., Forder, P., Frantz, P., Falla, T., Ferraguto, D., Flagg, N., Ford, J., Forder, P., Frantz, P., Falla, T., Ferraguto, D., Garcia, A., Garner, T., Garza, N., Gill, R., Gorrell, J., Haviak, D., Haviak, D., Hawes, A., Hernandez, J., Homst, R., Hartin, R., Martiney, P., Hale, S., Hamilton, K., Joudah, S., Hartin, R., Martindale, J., Hernandez, J., Homst, R., Hollins, B., Hernandez, O., Hodgeon, A., Houser, M., Holloway, C., Hollins, B., Hernandez, J., Karyah, J., Koryah, J., 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (02-AUG-2002) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA On Aug 1, 2002 this sequence version replaced gi:22024364.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Submitted (22-MAR-2000) Human Genome Sequencing Center, Department of Molecular and Human Genetics, Baylor College of Medicine, One Baylor Plaza, Houston, TX 77030, USA 3 (bases 1 to 210805)
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Direct Submission
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                                                                                                            Contact: hgsc-help@bcm.tmc.edu
Sequencing vector: Plasmid; Sequencing vector: M13;
                                                                                                                                                                                                                                                                         Drafting Center Code: BCM
                                                                                                                                                                                                                                                                                                             Web site: http://www.hgsc.bcm.tmc.edu,
                                                                                                                                                                                                                                                                                                                                                 Center code: BCM
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BASE COUNT
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TTTCGGACAGACTATTACCTCAGACGTAGACACTGGGCTTTTGGGGACATTCCCTGCCGA
                                                                                                        GCACTAGGCAATGGGGTCGCCCTGTGTGTGTTTCTGCTTCCACATGAAGACCTGGAAGCCC
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                                                                            GCACTAGGCAATGGGGTCGCCCTGTGTGGTTTCTGCTTCCACATGAAGACCTGGAAGCCC
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58093 a 47057 c 46299 g 58656 t
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Chemistry: Dye-terminator Big Dye: 90% of reads
Assembly program: Phrap; version 0.990329
Consensus quality: 205754 bases at least Q40
Consensus quality: 205628 bases at least Q20
Consensus quality: 207073 bases at least Q20
Bstimated insert size: 205209; sum-of-contigs estimation
Quality coverage: 8x in Q20 bases; sum-of-contigs estimat
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/db_xref="taxon:9606"
/chromosome="12"
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37246: contig of 23370 bp in length
37346: gap of unknown length
58915: contig of 21569 bp in length
59015: gap of unknown length
78686: contig of 19671 bp in length
78786: gap of unknown length
141420: contig of 62834 bp in length
141420: gap of unknown length
141520: gap of unknown length
210805: contig of 63285 bp in length.
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2340: gap of unknown length
5089: contig of 2749 bp in length
5189: gap of unknown length
13776: contig of 8587 bp in length
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Pred. No. 1.8e-285;
1; Mismatches 4;
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Patent: WO 0174904-P
Curagen Corporation
                  Novel proteins and nucleic acids encoding Patent: WO 0174904-A 4 11-OCT-2001;
                                                      Majumder,K., Vernet,C.A., Casman,S.J., Wolenc,A.R., Spaderna,S.K., Padigaru,M., Mishnu,V.S., Tchernev,V.T., Spytek,K.A., Li,L., Baumgartner,J.C. and Gusev,V.Y.
                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; I
Mammalia; Eutheria; Primates; Catarrhini; Hominidae;
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TGGAAGCCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCTGATTTCCTCCTTATGATC
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AX305131
AX305131.1
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Incyte Genomics, Inc. (US)
Location/Qualifiers
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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11 from Patent WO0187937.
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/db xref="taxon:9606"
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                                                                           Majumder,K., Vernet,C.A., Casman,S.J., Wolenc,A.R., Sp. Padigaru,M., Mishnu,V.S., Tchernev,V.T., Spytek,K.A., Baumgartner,J.C. and Gusev,V.Y.

Novel proteins and nucleic acids encoding same Patent: WO 0174904-A 1 11-OCT-2001;

Curagen Corporation (US)
                                                                                                                                                                               Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                       AX338371 1050 bp
Sequence 1 from Patent WO0174904.
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/organism="Homo sapiens"
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                                                                 Location/Qualifiers
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Sequence 3 from Patent W00174904.
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Novel proteins and nucleic acids encoding same Patent: WO 0174904-A 3 11-OCT-2001;

Curagen Corporation (US)
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Best Local Similarity 100.0%; Pred. No. 3.7
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Sequence 79 from Patent WO0136473.
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Vogeli,G., Wood,L.S., Parodi,L.A., Hiebsch,R.R., Lind,P., Slightom,J., Schellin,K.A., Kaytes,P.S., Bannigan,C.M., R Sejlitz,T. and Huff,R.M.
Novel g protein-coupled receptors
Patent: WO 0156473-A 79 25-MAY-2001;
PHARMACIA & UDJOHN COMPANY (US)
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Pred. No. 9.3e-249;
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1 (bases 1 to 1041)
Chen,R., Dang,H.T. and Lowitz,K.P.
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Sequence 23 from Patent
AX148182
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Pharmaceuticals, Inc. (US)
Location/Qualifiers
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                                                                 AGGAGTTGCATCAGTGTGGCAAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGGATCCC
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Search completed: April 3, 2003, 22:11:51 Job time : 3810 secs

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Listing first 45 summaries
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Copyright (c) 1993 - 2003 Compugen Ltd.
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and is derived by analysis of the total score distribution score greater than or equal Pred. No. is the number of results predicted by chance to have a ater than or equal to the score of the result being printed.

Result		% Ouerv			SUMMARIES	
No.	1	Match Length DB	ength	8	ID	Description
₽	1193.6	100.0	1194	24	AAD39181	Human G protein co
2	1187.2	99.4	1730	24	AAS18501	CDNA encoding HM7
ω	1187.2	99.4	2331	22	AAS12582	Gene encoding nove
4	1093.6	91.6	1104	22	ABA81531	Human GBCB1c polym
տ	1079.8	90.4	1083	24	AAD26371	Himan G-protein Co
6	1044.4	87.5	1050	22	ABA81529	Human GPCR1a nolve
7	1043.4	87.4	1050	22	ABA81530	Human GPCR1h polyn
80	1039.4	87.1	1041	22	AAS12581	CDNA encoding nove
9	1039.4	87.1	1041	22	AAS07946	Human cDNA encodin

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AAA30622	9	99	99	AAZ58587	672	ABL32926	ABL32927	AAX06948	AAI71608	AAD06502	AAK84005	AAA27049	AAS98066	AAX06947	AAC82668	AAI71609	AAS07938	AAS98125	ABK12964	AAQ55054	ABA99239	ABK47772	AAA30738	ABL67767	ABK48114	ABK83591	AAA30658	AAS07952	AAX16671	ABK47759	AAH50974	ABA99236	AAD27497	AAL42499	AAH51008
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ALIGNMENTS

RESULT 1
AAD39181
ID AAD3
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AAD39181 standard; cDNA; 1194 BP

AAD39181;

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Human; G protein coupled receptor; GPCR; 57242 protein; overweight; metabolic disorder; lipogenesis; lipolysis; immunomodulator; heart; bone disorder; osteoporosis; osteogenesis; bone resorption; cachexia; hyperlipidaemia; anorexia; haematopoietic disorder; osteopathic; autoimmune disorder; psoriasis; multiple sclerosis; brain disorder; degenerative disease; Alzheimer's disease; Pick disease; diabetes; adipocyte; hyperlassic growth; hypertrophic growth; gene therapy;
                               mat_peptide
                                                                sig_peptide
                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                     obesity; anorectic; receptor; gene; ss.
                                                                                                                                                                                                                                                                                                                                                              Human G protein coupled receptor (GPCR) cDNA, 57242.
                                                                                                                                                                                                                                                                                                                                                                                               04-OCT-2002 (first entry)
                               /*tag= b
265..1191
                                                           /product= "Human G protein coupled receptor (GPCR)" /note= "This region designated as SEQ.ID.NO:3 is specifically referred in claim 1" 154..264
 /*tag= c
/product=
                                                                                                                                                         Location/Qualifiers
"Human mature
 GPCR protein"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to G protein coupled receptor (GPCR) family CC member, 57242 and its corresponding nucleic acid sequence. The 57242 nucleic acid and polypeptide are useful for diagnosing, preventing CC nucleic, particularly a disorder associated with aberrant lipolysis, obesity or diabetes. The 57242 DNA and protein CC or aberrant lipolysis, obesity or diabetes. The 57242 DNA and protein CC are also useful for treating a subject having bone disorder, where CC the disorder is osteoporosis or a disorder associated with aberrant CC osteogenesis or aberrant bone resorption. These diseases include cobssity, diabetes, hyperlipidaemia, overweight, amorexia or cachexia. The 57242 DNA and protein are also useful for treating a subject CC the ving haematopoietic disorders, autoimmune disorders e.g. psoriasis CC and multiple sclerosis, brain disorders, degenerative diseases e.g. Alzheimer's disease and Pick disease and disorders involving heart. CC The 57242 nucleic acid and polypeptide are also useful for modilating adipocyte activity such as hyperplastic growth, hypertrophic growth CC or lipogenesis. The 57242 DNA is used in gene therapy. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human G protein coupled receptor nucleic acid and polypeptide molecules, designated 57242, useful for diagnosing, preventing or treating aberrant lipogenesis or aberrant lipoglesity, diabetes or bone disorders (e.g. osteoporosis)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Glucksmann MA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 111-112; 114pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-479433/51.
P-PSDB; AAE24354.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1194 BP; 240 A; 349 C; 318 G; 286 T; 1 other;
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                                                                      GCACTAGGCAATGGGGTCGCCCTGTGTGGTTTCTGCTTCCACATGAAGACCTGGAAGCCC
                                                                                                                                                                                                                                                                                       GCTCTGCACCCGGACACCTGCTCTGTCCCCCCCATGTACAACGGGTCGTGCTGCCGCATC 180
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                                                                                                                                                                                                                                                                                                                                                                                                                    GCACCAGCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACRCAGC 60
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                                         GCACTAGGCAATGGGGTCGCCCTGTGTGGTTTCTGCTTCCACATGAAGACCTGGAAGCCC
                                                                                                                                                                                         GAGGGGACACCATCTCCCAGGTGATGCCGCCGCTGCTCATTGTGGCCCTTTGTGCTGGGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             is human 57242 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Score 1193.6;
100.0%; Pred. No. 0;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 24; Length 1194;
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RES AAS	2	\$\text{Q}\$ \text{Q}\$ \text{Q}\$ \qu
AAS18501 standard; cDNA; 1730 BP. AAS18501; AAS18501; CDNA encoding HM74-like G-protein coupled receptor (GPCR). CDNA encoding HM74-like G-protein coupled receptor; antibacterial; fungicide; protozoacide; analgesic; cytostatic; neuroleptic; nootropic; anticonvulsant; tranquilliser; viral infection; pain; cancer; anorexia; bulimia; asthma; central nervous system disease; CNS disease; bypotension; hypertension; angina pectoris; myocardial infarction; urinary retention; osteoporosis; ulcer; asthma; inflammation; allergy; benign prostatic hypertrophy; multiple sclerosis;	721 GCARCATCATCTTATTTTGCTCCAAGATTGTTTGCAGCCTGAAATTGTTGCAACTTGTTGCAAGCAGGCAG	

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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             angina pectoris, myocardial infarction, urinary retention, osteoporosis, ulcer, asthma, inflammation, allergy, benign prostatic hypertrophy, multiple sclerosis and dyskinesia such as Huntington's disease and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes a novel isolated polynucleotide (I) encoding a human HM74-like G-protein coupled receptor (GPCR) golypeptide. Reagents that regulate HM74-like GPCR are useful for modulating the activity of the protein in a disease selected from bacterial, fungal, protozoan, and viral infection, pain, cancer, anorexia, bulimia, asthma, central nervous system (CNS) disease, cardiovascular disease, hypotension, hypertension, system (CNS) disease, cardiovascular disease, hypotension, or the second control of the second
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel isolated polynucleotide, useful for treating infection, pain, cancer, asthma, hypertension, myocardial infarction, urinary retention, osteopersis, encodes the human HW74-like G-protein coupled receptor
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Huntington's disease; Tourette's syndrome; anxiety; schizophrenia;
manic depression; delirium; dementia; mental retardation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1730 BP; 361 A; 494 C; 444 G; 431
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                                  GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 180
                                                                                                                                                                                                                                                       GCACCAGCCAACCCACACACACAGGACCCCGCATCCTGGGTGATGAAGTCAGACACRCAGC 60
                                                                                                                                      AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGGCCATTGTGGGGGACTCCCCTGGGCT 120
                                                                                                                                                                                                                 GCAGCATCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACGCAGC 370
GPCR
                                                                                                                                                                                                                                                                                                                                     Conservative
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/note= "G-protein coupled receptor"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        *tag=
                                                                                                                                                                                                                                                                                                                                                              99.4%;
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                                                                                                                                                                                                                                                                                                                                                              Score 1187.2;
Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                     Mismatches
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RESULT 3 AAS12582

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                                                                                                                                                                                                                                                   Query Match
Best Local (
                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel human G-protein coupled receptor proteins and nucleic acid molecules encoding the protein for use in developing human therapeutics and diagnostic compositions and for identifying modulators of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ye J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2000; 2000US-192419P.
06-SEP-2000; 2000US-230459P.
20-SEP-2000; 2000US-0666535.
                                                                                                                                                                                                                                                                                                                  Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; G-protein coupled receptor; GPCR; chemokine receptor; protease; hyperproliferative disorder; neurological disorder; psychiatric disease; inflammatory disorder; respiratory disorder; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gene encoding novel human G protein-coupled receptor
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  121
                                              218
                                                                                                                                       158
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                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                            1 GCACCAGCCAACACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACRCAGC 60
                                                                                                                                                                                                                              1189;
GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 180
                                                                                    AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT
                                                                                                                                   GCAGCATCCAACCCACACACACAGGACCCGCATCCTGGGTGATGAAGTCAGACACGCAGC
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                                          AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT
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                                                                                                                                                                                                                                                                                                                  2331 BP; 497 A; 620
                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                              99.4%;
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                                                                                                                                                                                                                                                 Score 1187.2;
Pred. No. 0;
                                                                                                                                                                                                                                                                                                                  C; 592 G; 622
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AACAAGCTCAAAATCTGCAGTCTGAAACCCAAGGAGCACAGGACACTCAAAAACACAAAGG 1 CCGGAAGAACACCAAATTTCGAACCTCGAAGCCAAGGAGTTGCACTCAGAAACACAAAAGG 1 [AGIGCCIGCATICCICICICAL CAGALAGE CONCACAGA AGUAC CAGALAGA CACAAAG I CAGALAGA CACAAAG AGUAC CAGALAGA CACAAAG AGUAC CAGALAGA CACAAAG AACAAGCTCAAAATCCTAC AACAAGCTCAAAATCCTAC CACAAAGCTCAAAATCCTAC CACAAAGCTCAAAATCCTAC CACAAAGCTCAAAATCCTAC CACAAAGCTCAAAATCCTAC CACAAAGCTCAAAAATCCTAC CACAAAGCTCAAAAATCCTAC CACAAGCCCAAAGCTCAAAAATCCTAC CACAAGCTCAAAAATCCTAC CACAAGCTCAAAAATCCTAC CACAAGCTCAAAAATCCTAC CACAAGCTCCAAAAATCCTACAAGG CACAAGCTCAAAAATCCTACAAGG CACAAGCAAGCAAGCAAGAAAACAAAAG CACAAAG CACAAG CACAAGCAAG	GCCAGACAGGCTCGGATGAAGAGGCGACCCGGTTCATCATGGTGGTGGCGATTGTGTTC	ATGGAGTCGGCCAATGGCTGGCACGACATCATGTTCCAGCTGGAGTTCTTTATGCCCCTC	CGGGTGGCGCTGGCATCGTCTGCACCCTGTGGGCCCTGGTCATCCTGGGAACAGTG	GTGGGGCTCTTCACGTTGGCCATGAACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTG 4	AGCACTGTTTACCTTTTCAATTTGGCCGTGGCACACTGTTTACCTTTTCAATTTGGCCGTGGCACACACA	
237 140 297	1117 1020 1077 1080		20 77 77 80 80	00 57 60 17	80 37 40 97	60 17 20 77	37 340 340 197 100

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The invention relates to nucleic acid sequences (ABA81529-ABA81552) that encode G-coupled protein-receptor related polypeptides (ABB44522-ABB44543). The isolated polypeptide having a sequence differing by no more than 15 % of amino acid residues from one of 22 amino acid sequences (or mature forms of the sequences), fully defined in the specification and corresponding to human G-protein coupled receptor X (GPCRX) polypeptides. The polypeptides have potential cardiant, antiarteriosclerotic, anabolic, cytostatic and antiviral activity. The polypeptides can be administered therapeutically, especially using gene therapy and expressing the encoding DNA in vivo, to treat or prevent GPCRX-associated disorders, especially in humans. For example, they can be the item of the polypeptides of the sequence of the se
                                                                                                                                                                                                                                                                                                                                                                                                                   New human G-protein coupled receptor X, GPCRX, polypeptide useful in treatment or prevention of GPCRX associated disorders e.g. cardiomyopathy or atherosclerosis, and to screen for antagonists and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; GCPR; G-coupled protein-receptor; cardiant; antiarteriosclerotic; anabolic; cytostatic; antiviral; gene therapy; cardiomyopathy; obesity; anorexia; diabetes; osteoporosis; Crohn's disease; multiple sclerosis; asthma; Alzheimer's disease; Parkinson's disorder; Huntington's disease;
                 be used to treat/prevent cardiomyopathy, atherosclerosis, disorders related to signal processing and metabolic pathway modulation (e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Majumder K,
Padigaru M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-APR-2000;
06-APR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                    agonists useful therapeutically
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-APR-2000;
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)B; ABB44523.
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  anorexia),
                                                                                                                                                                                                                                                                                                                                                   Page 11; 157pp; English.
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; 2000US-239613P.
; 2001US-262508P.
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2000US-195069P.
2000US-195070P.
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2000US-195063P.
2000US-195066P.
2000US-195067P.
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Mishnu VS,
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2000US-221325P.
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2001US-263604P.
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2000US-219855P.
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  diabetes,
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Tchernev VT,
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  osteoporosis,
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Spytek KA,
Crohn's disease,
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Li L;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 1104 BP; 216 A; 318
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's
                                                                                                                                     661
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                                                                                                                                                                                                                                              695
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25-MAY-2000;
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02-JUN-2000;
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C, Nguyen DB,
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Tang TY, Au-Young
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CC gastrointestinal disorders such as dysphagia, peptic oesophagitis, costationitestinal disorders such as dysphagia, peptic oesophagitis, costatipation, acquired immune deficiency syndrome (AIDS), hepatic cencephalopathy; autoimmune/inflammatory disorders such as Addison's codisease, allergies, spondylitis, amyloidosis, anaemia, asthma, contact codermatitis, Crohn's disease, diabetes mellitus, Goodpasture's syndrome, cemphysema, Grave's disease, gour, multiple sclerosis, rheumatoid carthritis, systemic lupus erythematosus, uveitis, viral, bacterial, cfungal, parasitic, protozoal and helminthic infections and trauma; cemtabolic disorders such as diabetes, obesity and osteoporosis; and contact cadenovirus, arenavirus, bunyavirus. Polymucleotides of the invention care useful as probes for assessing toxicity of test compounds. They are calso used in gene therapy. The present sequence is human G-protein coupled receptor 3 (GCREC-3) cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to human G-protein coupled receptor (GCREC) polypeptides and polynucleotides. GCREC polypeptides are useful for screening compounds that modulate their activity. They are useful the diagnosis, prevention and treatment of disorders which include cell proliferative disorders such as arteriosclerosis, hepatitis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Parkinson's disease, ataxias, multiple sclerosis, bacterial and viral meningitis, Creutzfeldt-Jakob disease, schizophrenic disorders, amnesia; cardiovascular disorders such as arteriovenous fistula, atherosclerosis, hypertension, vascular tumours, myocardial infarction, hypertensive heart disease, infective endocarditis, cardiomyopathy, myocarditis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel G-protein coupled receptors and polynucleotides useful diagnosis, treatment and prevention of disorders of cell proneurological, cardiovascular, metabolic disorders and viral:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      myelofibrosis, psoriasis and cancer including adenocarcinoma, leukaemia, lymphoma; neurological disorders such as epilepsy, ischaemic cerebrovascular disease, Alzheimer's disease, Pick's disease, dementia,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CAGCAGCTGGCCAGACAGGCTCGGATGAAGAAGGCGACCCGGTTCATCATGGTGGTGGCA
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                                                                                                                                                                                                         GCPR; G-coupled protein-receptor; cardiant; antiarteriosclerotic;
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06-APR-2000;
06-APR-2000;
06-APR-2000;
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21-JUL-2000;
27-JUL-2000;
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Padigaru M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-JUL-2000;
11-AUG-2000;
11-OCT-2000;
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06-APR-2000;
06-APR-2000;
06-APR-2000;
                                                                                                                                                                                                                                                                                                                           specification and corresponding to human G-protein coupled receptor X (GPCRX) polypeptides. The polypeptides have potential cardiant, antiarteriosclerotic, anabolic, cytostatic and antiviral activity. The polypeptides can be administered therapeutically, especially using gene therapy and expressing the encoding DNA in vivo, to treat or prevent GPCRX-associated disorders, especially in humans. For example, they can be used to treat/prevent cardiomyopathy, atherosclerosis, disorders related to signal processing and metabolic pathway modulation (e.g. obesity, anorexia), diabetes, osteoporosis, Crohn's disease, multiple sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's disease, Parkinson's disorder, Huntington's disease), immune disorders, the state of the sclerosis of the s
                                                                                                                                haematopoietic disorders, developmental diseases, neurological disorders, bacterial, fungal, protozoal and viral infections (e.g. with human immunodeficiency virus (HV)-1 or HIV-2). They can be used diagnostically to determine the presence of or predisposition to a disease associated with altered levels of the polypeptide in mammals (especially humans) by detecting alterations in polypeptide expression levels relative to control samples. They are useful to identify agents binding polypeptide control samples.
                                                 (e.g. cellular receptors or downstream effectors) and/or agents modulating cellular polypeptide expression or activity, useful antagonists and agonists in disease treatment.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             encode G-coupled protein-receptor related polypeptides (ABB44522-ABB44543). The isolated polypeptide having a sequence differing by no more than 15 % of amino acid residues from one of 22 amino acid sequences (or mature forms of the sequences), fully defined in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           agonists useful therapeutically
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23-JAN-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to nucleic acid sequences (ABA81529-ABA81552) that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 9; Page 7; 157pp; English.
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, Mishnu VS, Tc
r JC, Gusev VY;
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2000US-239613P.
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2001US-263433P
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Tchernev VT,
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Spytek KA,
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Li L;
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Sequence 1050 BP; 211 A; 299 Ç 279 G; 261 T; 0 other;

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Best Local Similarity Matches 1045; Conserv
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                      CCGCCATGTACAACGGGTCGTGCTGCCGCATCGAGGGGGACACCATCTCCCAGGTGATGC 208
                                             Conservative
                                                       87.5%;
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Pred. No. 1.5e
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209 CGCCGCTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGGTCGCCCTGTGTG

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31-MAR-2000; 2000US-193664P

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              ATCCCCACATTGTTGAGTGGCACTGA 1194
                                                                GTCGCAGGAGTTGCATCAGTGTGGCAAATAGTTTCCAAAGCCAGTCTGATGGGCAATGGG
                                                                                                            CCAAGCAGCCAGGACACTCAAAAACACAAAGGCCGGAAGAGAGGCCAATTTCGAACCTCG
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ATCCCCACATTGTTGAGTGGCACTGA
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RESULT 7
ABA81530
ID ABA8
XX
AC ABA8

standard; DNA; 1050

ABA81530 ABA81530

protozoal and viral

neurological disorders

human

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The invention relates to nucleic acid sequences (ABA81529-ABA81552) that CC encode G-coupled protein-receptor related polypeptides encode G-coupled protein-receptor related polypeptides (C (ABB44523-ABB44543). The isolated polypeptide having a sequence differing CC (ABB44522-ABB44543). The isolated polypeptide having a sequence differing CC by no more than 15 % of amino acid residues from one of 22 amino acid sequences (or mature forms of the sequences), fully defined in the gpecification and corresponding to human G-protein coupled receptor X (GPCRX) polypeptides. The polypeptides have potential cardiant, The polypeptides can be administered therapeutically, especially using gene therapy and expressing the encoding DNA in vivo, to treat or prevent CC polypeptides can be administered therapeutically, especially using gene CC therapy and expressing the encoding DNA in vivo, to treat or prevent CC polypeptides can be administered therapeutically in humans. For example, they can be used to treat/prevent cardiomyopathy, atherosclerosis, disorders CC used to signal processing and metabolic pathway modulation (e.g. CC obesity, anorexia), diabetes, osteoporosis, Crohn's disease, multiple sclerosis, asthma, cancers, neurodegenerative disorders (e.g. Alzheimer's disease, Parkinson's disorder, Huntington's disease), immune disorders.
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06-APR-2000;

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                           haematopoietic disorders, developmental diseases,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 9; Page 10; 157pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New human G-protein coupled receptor X, GPCRX, polypeptide useful treatment or prevention of GPCRX associated disorders e.g. cardiomyopathy or atherosclerosis, and to screen for antagonists agonists useful therapeutically
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Padigaru M,
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Tchernev VT,
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Best Local Similarity
Matches 1044; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunodeficiency virus (HIV)-1 or HIV-2). They can be used diagnostically to determine the presence of or predisposition to a disease associated with altered levels of the polypeptide in mammals (especially humans) by detecting alterations in polypeptide expression levels relative to control samples. They are useful to identify agents binding polypeptide (e.g. cellular receptors or downstream effectors) and/or agents modulating cellular polypeptide expression or activity, useful as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1050 BP; 211 A; 298 C; 279 G; 262 T; 0 other;
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                                                                                                                                       TAGACTCTATTTCCTCTGGACGGTGCCCTCGAGTGCCTGCGATCCCTCTGTCCATGGGGC 929
                                                                                                                                                                                                              CCGGTTCATCATGGTGGTGGCAATTGTGTTCATCATCATGCTACCTGCCCAGCGTGTCTGC
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TTTTTCAAGCCCCTCCTTTCCCAAATTCTACAACAAGCTCAAAATCTGCAGTCTGAAACC 1049
                                     CCTGCACATAACCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCCCTGGTGTATTA
                                                                          CCTGCACATAACCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCCCTGGTGTATTA
                                                                                                                                                                                     CCGGTTCATCATGGTGGCAATTGTGTTCATCACATGCTACCTGCCCAGCGTGTCTGC 721
                                                                                                                                                                                                                                                                  TGTTTGGAGCCTGAGGCGGAGCAGCCAGCCAGACAGGCTCGGATGAAGAAGGCGAC
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The present invention relates to the isolation of a novel human G-protein coupled receptor (GPCR) which is related to the chemokine receptor subfamily. The cDNA and gene sequences encoding for GPCR are also given in the invention. The sequences of the invention are useful for diagnosing and treating diseases or conditions mediated by human proteases. Such diseases include hyperproliferative disorders (e.g. hyperplasia), neurological disorders (e.g. Parkinson's disease), psychiatric diseases (e.g. schizophrenia), inflammatory disorders (e.g. diabetes) and respiratory disorders (e.g. diabetes) and respiratory disorders (e.g. adult respiratory distress syndrome, ARDS). The GPCR protein is also useful for identifying a modulator of the expression of the protein. It also serves as a target for identifying agents for use in mammalian therapeutic applications, e.g. a human drug, particularly modulating a biological or pathological

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RESULT 8

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel human G-protein coupled receptor proteins and nucleic acid molecules encoding the protein for use in developing human therapeutics
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06-SEP-2000; 2000US-230459P
20-SEP-2000; 2000US-0666535
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/product= "GPCR protein"
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TCAAGCCCCTCCTTTCCCAAATTCTACAACAAGCTCAAAATCTGCAGTCTGAAACCCAAG

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Endogenous and non-endogenous versions of human G-protein coupled receptors for direct identification of candidate compounds as agoinverse agonists or partial agonists for use as therapeutic agent

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                                                                                                                                                                                                                                                                                                                                                                                                                                             G protein-coupled receptor; nGPCR; seven transmembrane receptor; signal transduction; schizophrenia; thyroid disorder; renal failure; rheumatoid arthritis; CNS disorder; infection; metabolic disease; cardiovascular disease; proliferative disorder; hormonal disorder; neurological disorder; neuronal disorder; Allheimer's disease; cancer; attention deficit-hyperactivity disorder/attention deficit disorder; Parkinson's disease; migraine; senile dementia; inflammatory disease;
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                                                                                                                                                                                                                                                                                                                                                                                                                         neuroprotective;
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Best Local Similarity
Matches 1040; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1041 BP; 208 A; 294 C; 278 G; 261 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    disorder/attention deficit disorder), and neuronal disorders such as Alzheimer's disease, Parkinson's disease, migraine and senile dementia. Additional disorders include inflammatory conditions (e.g. Crohn's disease), rheumatoid arthritis, autoimmune disorders, cancers, respiratory allments such as asthma, and inflammatory diseases e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     signal transduction. The nGPCRx coding sequences are useful for screening a human to diagnose a disorder affecting the brain or a genetic predisposition, specifically schizophrenia. nGPCRx are useful for identifying compounds useful for treating schizophrenia. Detection of nGPCRx in a sample is useful as a diagnostic tool for diseases or disorders e.g. thyroid disorders, renal failure, rheumatoid arthritis, CNS disorders, infections such as HIV-1, metabolic and cardiovascular diseases, proliferative disorders and hormonal disorders. Modulators of nGPCRx activity have the utility for treating neurological disorders, including schizophrenia, ADHD/ADD (attention deficit-hyperactivity disorder) and neuronal disorder and proposed disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to novel G protein-coupled receptors (nGPCRx; where x is 1, 3, 4, 5, 9, 11, 12, 14-18, 20, 21, 22, 24, 27, 28, 31-38, 40, 41, 53-60) and their coding sequences. The present sequence is the coding sequence for one such G protein-coupled receptor. GPCRs are also known as seven transmembrane receptors and function in GPCRs are also known as seven transmembrane receptors and function in
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TGGAGCCTGAGGCGGAGGCAGCCTGGCCAGACAGGCTCGGATGAAGAAGGCGACCCGG
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                                                                  TTCCAGCTGGAGTTCTTTATGCCCCCTCGGCATCATCTTATTTTGCTCCTTCAAGATTGTT 753
                                                                                                                          GCCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCTCTGCGTGCAAGAG
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WPI; 2002-364852/40
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SMITHKLINE BEECHAM
GLAXO GROUP LID.
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2000GB-0026839.
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/product= "Human purinergic-like G-protein coupled
/product= "AXOR87"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New purinergic-like G-protein coupled receptor AXOR87 polypeptide and polynucleotide, useful for treating diseases related to autoimmunity, inflammation, immunodeficiency, or bacterial, fungal, viral and protozoal infections
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention comprises the amino acid and coding sequence of the inergic-like G-protein coupled receptor AXOR87. The AXOR87 DNA
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11.-JUL-2000; 2000US-217494P.
26-JAN-2001; 2001EP-0870015.
12-FEB-2001; 2001EP-0870024.
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Matches 1040;
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     and tumour metastasis, inflammatory and neoplastic processes; bacterial and fungal infections, in wound and bone healing, dysfunction of regulatory growth functions; pains, diabetes, obesity, anorexia, bulimia, urinary retention, osteoporosis, angina pectoris, atherosclerosis,
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P-PSDB; ABB08596.
New human lipocyte-originated G protein-coupled receptor proteins TGR13 and encoding DNAs, for developing drugs to treat obesity and
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31-JUL-2000; 2000JP-0235274
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/product= "G-protein-coupled receptor protein TGR13"
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Best Local Similarity
Matches 1037; Conserv
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28-DEC-1999; 99US-0173396.
22-PEB-2000; 2000US-0185421
28-PEB-2000; 2000US-0185421
28-PEB-2000; 2000US-018554.
02-MAR-2000; 2000US-0186631
03-MAR-2000; 2000US-0186114.
17-MAR-2000; 2000US-0190310.
21-MAR-2000; 2000US-0190310.
21-MAR-2000; 2000US-0190310.
21-MAR-2000; 2000US-0190310.
20-MAY-2000; 2000US-0190310.
30-MAY-2000; 2000US-0190314.
35-MAY-2000; 2000US-0203111.
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Schellin!
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17-NOV-1999;
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A, Kaytes
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polynucleotide useful New G protein-coupled

receptor (nGPCR-x) and its encoding for diagnosing and treating e.g. sci

schizophrenia

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di LA, Hiebsch Bannigan CM, R

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Best Local
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                                                                                         TGGAGCCTGAGGCGGAGGCAGCAGCTGGCCAGACAGGCTCGGATGAAGAAGGCGACCCGG
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99.9%;
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Pred. No. 4e-239;
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                                          The present invention relates to human inflammation-associated g-probein coupled receptor (GPCR) EX20 polypeptide and the polynucleotide sequence encoding it. A pharmaceutical composition comprising EX20 polypeptide, a variant of EX20, an antibody which immunoreacts with EX20, a polynucleotide encoding EX20 or an antisense liminareacts with EX20, a polynucleotide encoding EX20 or an antisense
                                                                                                                                                                                              New pharmaceutical composition comprising EX20 polypeptide, polynucleotide, antibodies against EX20 polypeptide, antiser poligonucleotides against EX20 polynucleotide, useful for tre
               oligonucleotide comprising a nucleotide sequence complementary to EX20 can be used in diagnostic and therapeutic applications for
                                                                                                                                               Claim 4; Page 31; 36pp; English.
                                                                                                                                                                                                                                                                 P-PSDB;
                                                                                                                                                                                                                                                                                                                                                   (NOVS)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inflammatory disease; asthma; adult respiratory distress syndrome; ARDS; chronic obstructive pulmonary disease; CODp; bronchitis; emphysema; pneumoconiosts; neutrophil; eosinophil related disorder; aliway; lung-related disorder; rheumatoid arthritis; inflammatory bowel disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; inflammation-associated G-protein coupled receptor; GPCR; EX20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cDNA encoding human inflammation-associated GPCR EX20 polypeptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABK47759 standard;
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                                                                                                                                                                                                            CTCTATTICCTCTGGACGGTGCCCTC------GAGTGCCTGCGATCCCTCT 918
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3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*

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SUMMARIES

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AUTHORS: Dr. Ozenberger, Bradley A. AUTHORS: Dr. Pausch, Mark H. TITLE: Receptor Identification Method DATE: 17-JUL-1992	RMATION:	ORIGINAL SOURCE:	CAL:	MOLECULE TYPE: cDNA	STRANDEDNESS: single	c aci		SEQUENCE CHARACTERISTICS:	: 201-683-4117		ION:	BR:	TRATION NUMBER:	NAME: Matthews Gale M	CLASSIFICATION: 435		APPLICATION NUMBER: US/07/915.966C	SUFTWARE: Patentin Release #1.0, Version #1.30	SYSTEM: PC-DOS/MS-DOS	무	TYPE: FI	3	Ö	COUNTRY: Her octocy	1	Н	EE: American	Š	R OF SEQUENCES: 19	TITLE OF INVENTION: Receptor Identification Method	Dansch Dr. Mark	Hadcock Dr., John R.	z	Sequence I, Application US/07915966C Patent No. 5668006	915-9660	RESULT 1

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                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/08771182
Patent No. 5929209
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                      APPLICANT: Hadcock Dr., John R.
APPLICANT: Ozenberger Dr., Bradley A.
APPLICANT: Pausch Dr., Mark H.
                                                 SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Receptor Identification Method NUMBER OF SEQUENCES: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     610
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                                                                             MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
             APPLICATION NUMBER: US/08/771,182 FILING DATE: 20-DEC-1996
CLASSIFICATION:
                                                                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                    ADDRESSEE:
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One Campus Drive
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                                                                      Version #1.30
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION: TELEPHONE: 201-683-2134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PUBLICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL: 1
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538
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AUTHORS: Hadcock Dr., John R.
AUTHORS: Dr. Ozenberger, Bradley A.
AUTHORS: Dr. Pausch, Mark H.
TITLE: Receptor Identification Method
DATE: 20-DEC-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX:
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                                                                                                GCTCGGATGAAGAAGGCGACCCGGTTCATCATGATGGTGGTGGCAATTGTGTTCATCACATGC
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 TGGCTGCC
                                   TACCTGCC 857
                                                                    GTCAAGATCAAGAGGGCCATCAACTTCATCATGGTGGTTGCCATTGTGTTTTGCCATCTGC
                                                                                                                                            CTGTTCTGCTCTGGCAGGATCATTTGGAGCCTAAGGCAGAG---ACAGATGGACAGGCAC
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420 729 Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORIGINAL SOURCE:
ORGANISM: Rat
PUBLICATION INFORMATION:
AUTHORS: Hadcock Dr., John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE: CI
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
PRIOR APPLICATION UDATA:
APPLICATION UDATA: US 07/915,966
FILING DATE: 17-JUL-1992
ATTORNEY/AGENT INFORMATION:
NAME: TENERAL OF PREMARION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Tsevdos Dr., Estelle J.
REGISTRATION NUMBER: 31,145
REFERENCE/DOCKET NUMBER: 31829
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Hadcock Dr., John R.
APPLICANT: Ozenberger Dr., Bradley A.
APPLICANT: Pausch Dr., Mark H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
American Cyanamid Company
          181
                                               490
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Receptor Identification Method NUMBER OF SEQUENCES: 19
                                                                                      121
                                                                                                                                                                                              370 GACTATTACCTCAGACGTAGACACTGGGGCTTTTGGGGACATTCCCTGCGGAGTGGGGCTC 429
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                                                                                                                                                                                                                                                                                                                                                                                                                          AUTHORS: Dr. Ozenberger, Bradley A. AUTHORS: Dr. Pausch, Mark
TITLE: Receptor Identification Method
DATE: 17-JUL-1992
                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY:
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                                                                                                                                                                                                                                     APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
AGGTÁCTTCAGGGTGGTCCACCGCACCACTTCCTGAACAAGATCTCCAACCGGACGGCG 240
                                                                                                       TTCACGTTGGCCATGAACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGTGCTGCGGAC 489
                                                                                                                                                           GACAACTATGTCCAGAACTGGGACTGGAGGTTCGGGAGCATCCCCTGCCGCGTGATGCTC 120
                                       AGGTATTTCAAAGTGGTCCACCCCCACCACGCGGTGAACACTATCTCCACCCGGGTGGCG 549
                                                                              TTCATGTTGGCCATGAACCGACAGGGCAGCATCATCTTCCTCACGGTGGTGGCTGTGGAC 180
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                                                                                                                                                                                                                                                                                                                        Mismatches
                                                                                                                                                                                                                                                                                                                                         9.3e-55;
                                                                                                                                                                                                                                                                                                                                                         DB 3;
                                                                                                                                                                                                                                                                                                                      188;
                                                                                                                                                                                                                                                                                                                                                         Length 545;
                                                                                                                                                                                                                                                                                                                    Gaps
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; STRANDEDNESS:
; TOPOLOGY: line
; MOLECULE TYPE: c
US-08-955-713-1
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Patent No. 595308
GENERAL INFORMATION:
APPLICANT: SATHE, GANESH
                                                                                                                                       TELEX: 846169
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: MOONEY, JEFFREY
APPLICANT: MOONEY, JEFFREY
APPLICANT: HALSEY, WENDY
TITLE OF INVENTION: CDNA CLONE HEOAD54 THAT ENCODES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSE: RATNER & PRESTIA
STREET: P.O. BOX 980
                                                                                               SEQUENCE CHARACTERISTICS:
LENGTH: 1594 base pair
                                                                                                                                                                                           NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GH-
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/050,124
FILING DATE: 18-JUN-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 19482
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                538
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                                                                        TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/955,713 FILING DATE: 23-OCT-1997
                                                                                                                                                                              TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                 CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MEDIUM TYPE:
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                                                                                               1594 base pairs
                                                                                                                                                                          3: 610-407-0700
610-407-0701
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                                                                                                                                                                                                                     RESULT 5
            Sequence 3, Application US/08955713

PATCHI NO. 5955308

GENERAL INFORMATION:
APPLICANT: MOONEY, JEFFREY
APPLICANT: MOONEY, JEFFREY
APPLICANT: BERGSNA, DERK
APPLICANT: HALSEY, WENDY
TITLE OF INVENTION: CDNA CLONE HEOAD54 THAT ENCODES
NUMBER OF SEQUENCES: 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 446; Conserv
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CORRESPONDENCE ADDRESS
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                                                                                                                                                                                                                                                                                                                                                                                                    GGGCCCTGCACATAA-----CCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCCC 979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCATGCGTGTGCTGGCCATGGTGGTGGCCGTCTACACCATCTGCTTCTTGCCCAGCATCA 1172
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                                                                                                                                                                                                                                                                                    TGCTCTACTGCTTCTTAGCCCCAACTTCCTCCA 1326
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                                        A HUMAN 7-TRANS
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TELEX: 846169
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 1435 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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TOPOLOGY: lir
MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 18-JUN-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELECOMMUNICATION INFORMATION: TELEPHONE: 610-407-0700
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COUNTRY: US
ZIP: 19482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               206 TGCCGCCGCTGCTCATTGTGGCCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGT 265
686 ACATCATGTTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTCCTTCA 745
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                                                                                                                                                                                                                                                                                                           258
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                                                                                                                                                                                                                                                                                                                                                                                         198 ATGAGACCTGGCGCTTTGGGGGCTGCTGCCTGCAAAGTCAACCTCTTCATGCTGTCNACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     138 TGGCCGCTGACTTCCTCCTGATCAGCAACCTGCCCCTCCGCGTGGACTACTACCTCCTCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STREET: P.O. BOX 980
CITY: VALLEY FORGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18 TGGCACCAATCCTGGCCCTGGAGTTTGTCCTGGGCCCTGGTGGGGGAACAGTTTGGCCCTCT 77
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/08/955,713 FILING DATE: 23-OCT-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      78 TCATCTTCTGCATCCACACGCGGCCCTGGACCTCCAACACGGTGTTCCTGGTCAGCCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: RATNER & PRESTIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                               GCCCCTCCTGCCTCAGCTACAGGGTGGGCACGAARCCCTCGGCCTCGCTCCGCTGGCACC
                                                                                                                                                                                                                                                                   TCCACCCCACCACGGGGAACACTATCTCCACCGGGTGGCGGCTGGCATCGTCTGCA
                                                                                                 GAATCTGGG---TGGGCATCCTGCTCCTCAACGGGNACCTGCTCCTGAACACCTTCTCCG
                                                                                                                                                                                   CCCTGTGGGCCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCTCTGCG
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Pred. No. 4.9e-43;
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US-09-130-749-1
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US-09-130-749-1
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 Matches
                                   Query Match
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                                                                                                                                                                                                                  INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             792 TGCTCTACTGCTTCTAGCCCCAACTTCCTCCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   746 AGATTGTTTGGAGCCTGAGGCGGAGGCAGCAGCTGGCCAGACAGGCTCGGATGAAGAAGG
                  Local Similarity
                                                                                      SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                           MOLECULE
                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: GP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/130,749
FILING DATE: 07-Aug-1998
CLASSIFICATION: UNKNOWN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: SHABON, USMAN ELSHOURBAGY, NABIL TITLE OF INVENTION: MOLECULAR CLONING OF A
                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: RATNER & PRESTIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
427;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TCTTTGGCATGGCTTCCATGGTGGCTTTCTGGCTGTCCGCCTGCCGATCCCTGGACCTCT
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                                                                                                           TOPOLOGY:
                                                                                                                                       LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version
                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: <Unknown>
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   Conservative
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                11.7%;
                                                                                                                             linear
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               Score 139.2; DB 3; Pred. No. 3.8e-29;
Mismatches 388;
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                              Length 960;
Indels
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                                        980 TGGTGTATTATTTTTCAAGCCCCTCCTTTCCCAAATTCTACAACAAGCTC 1029
                                                                                925 GGGGCCCT-----GCACATAACCCTCAGGTTCACCTACATGAACAGCATGCTGGATCCCC
                                                                                                                                                                    719 TGGCCAGAGTCCTGATGCACATCTTCCAGAATCTGGGGAGCTGCAGGGCCCCTTTGTGCAG
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RESULT 7

US-09-130-749-1

Sequence 1, Application US/09130749

Patent No. 6031344

PATECANT: STABON, USMAN

APPLICANT: ELSHOURBAGY, NABIL

TITLE OF INVENTION: MOLECULAR CLONING OF A

TITLE OF INVENTION: RECEPTOR (GPR31A)

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS;

ADDRESSEE: P.O. Box 980

CITY: Valley Forge

STATE: PA

USA

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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: cDNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: GP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-407-0700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ for Windows Version CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR APPLICATION DATA:
                                                                                                                                           479
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                                                                                                                                                                                                                                                                                                                                                                                                                      455
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          275 GCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTTACCTTTTCAATTTTGGCCGTGGCTG 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        215 TGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGTGTGGGTTTCT 274
749 TTGTTTGGAGCCTGAGCGGAGG---CAGCAGCTGGCCAGACAGGCTCGGATGAAGAAGG 805
                                                                                                    689
                                                                                                                                                                                635
                                                                                                                                                                                                                                                                                                   359 GGCTTAAGGTCAACCTGCTGTCTCCTCAGGCGGCCCTGGGGGTCTCGGGCCTCGTCTGGC 418
                                                                                                                                                                                                                                                                                                                                        515
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                                                             539 CACTCTCCTGCCTTCAGTTTGTCCTCCCCTTTGGCCTCATCGTGTTCTGCAATGCAGGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
ZIP: 194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: PRESTIA, PAUL F
REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/0 FILING DATE: 07-AUG-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 59 TGCTGGGGCTGGAGTGTGGGCTGGGTCTGCTGGGCAACGCGGTGGCGCTGTGGACCTTCC 118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TGTTCCGGGTCAGGGTGTGGAAGCCGTACGCTGTCTACCTGCTCAACCTGGCCCTGGCTG
                                                                                                  TCATGTTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTCCTTCAAGA 748
                                                                                                                                                                                                                                                              CCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCTCTGCGTGCAAGAGA 634
                                                                                                                                                                                                                                                                                                                                                                                                                  GGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGGTCCACCCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGACGTAGACACT 394
                                                                                                                                                                                CGGCCGTCTCCTGTGAGAGCTTCATCATGGAGTCGGC-----CAATGGCTGGCACGACA 688
                                                                                                                                                                                                                       TCCTGATGGTCGCCCTCACCTGCCCGGGCTTGCTCATCTCTGAGGCCGCCCAGAACTCCA
                                                                                                                                                                                                                                                                                                                                        ACCACGCGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCACCCTGTGGG
                                                                                                                                                                                                                                                                                                                                                                               TGGGGATGGCCTTCCTGGCCGCCGTGGCTTTGGACCGGTACCTCCGTGTGGTCCACCCTC
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                                                                                                                                           CCAGGTGCCACAGTTTCTACTCCAGGGCAGACGGCTCCTTCAGCATCATCTGGCAGGAAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   960 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diskette
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51.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GP-70513
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RESULT 8
US-08-153-848-43
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                                                                              US-08-153-848-43
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APPLICANT: Godiska
APPLICANT: Gray, P
APPLICANT: Schweik
Query Match 9.3%;
Best Local Similarity 47.2%;
Matches 378; Conservative
                                                                                                                                                                                                                                                                     TELEFAX: (312) 474-04-
TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STREET: Chicago
CITY: Chicago
Illinois
TISA
                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: NO. 5759804and, Greta E.
REGISTRATION NUMBER: 35,302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: No. 5759804el Seven Transmembrane Receptors NUMBER OF SEQUENCES: 64
                                                                                                                                      FEATURE:
                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION: (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION: 514
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          806 CGACCCGGTTCATCATGGTGGTGGCAATTGTGTTCATCACATGCTACCTGCCCAGCGTGT 865
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  599 TCATCAGGGCTCTCCAGAAAAGACTCCGGGAGCCTGAGAAACAGCCCCAAGCTTCAGCGGG
                                                                                                NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Marshall, O'Toole, Gerstein, Murray ADDRESSEE: Bicknell
                                                                                                                                                                                                                                   LENGTH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60606
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Schweikart, Vicki L.
                                                                                                                                                                                                                                 1901 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                               (312) 474-0448
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                                                                                                                                                                            linear
                                                                                                701..1717
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                                                                                                                                                          DNA
                                                                                                                                                        (genomic)
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                                                                                                                                                                                                                                                                         43:
Score 110.6; DB 1;
Pred. No. 4.4e-21;
0; Mismatches 414;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Version
                                        Length 1901;
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    9
    Gaps
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                                                                                                                                                                                                                                                                                     Sequence 43, Application US/09299843A Patent No. 6107475
                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Godiska, Ronald
APPLICANT: Gray, Patrick W.
APPLICANT: Schweikart, Vicki L.
TITLE OF INVENTION: No. 6107475el Seven Transmembrane Receptors
NUMBER OF SEQUENCES: 66
STREET: 650.
CITY: Chicago
TNTE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1456
                                                                                                                            CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1396 GGCAGTGCGCATGATCGCCATAGTGCTGGCCATCTTCCTGGTCTGCTTCGTGCCCTACCA 1455
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                                                                                  ADDRESSEE: Marshall, O'Toole, ADDRESSEE: Borun
                                                                                                                                                                                                                                                                                                                                                                                                                        CGACCCCATCATGTATTTCTT 1596
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGCCTTCCTGTGGGTGGTGGTGGCCGTGGCCGCTGCTGGTGAGCCCACAGAC 1215
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CGTGCAGACCAACCACGGTGGTCTGCCTGCAGCTGTACCGGGAGAAGGCCTCCCACCA 1275
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                                                        6300 Sears Tower, 233 South Wacker Drive
                                                                                                    Gerstein, Murray &
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 378;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
                                       1156 TGCCTTCCTGTGGGTGGTGGCCTGTGGCCATGGCCCCGCTGCTGAGCCCCACAGAC 1215
                                                                                                                  1096 CATTGTGCACCCGGTCAAGTCCCTCAAGCTCCGCAGGCCCCTCTACGCACACCTGGCCTG 1155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 17-NOV-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/088,337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 17-NOV-1993 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 01-JUN-1998 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Release #1.0, Version #1.25 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
621 CTGCGTGCAAGAGGCCGTCTCCTGTGAGAGCTTCATCATGGAGTCGGCCAATGGCTG
                                                                           561 CTGCACCCTGTGGGCCCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCT 620
                                                                                                                                                          501 AGTGGTCCACCCCCACCACGGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGT 560
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STRANDEDNESS: single
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                     CATGAACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAA 500
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US-09-088-337B-43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 43, Application US/09088337B Patent No. 6348574 GENERAL INFORMATION:
                                                                     TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1276
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                                                                                                                                                                                     APPLICATION NUMBER: US 07/977,452
FILING DATE: 17-NOV-1992
ATTORNEY/AGERT INFORMATION:
NAME: NO. 6348574and, Greta E.
REGISTRATION NUMBER: 35,302
REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
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TITLE OF INVENTION: No. 6348574el Seven Transmembrane Receptors
                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/153,848
FILING DATE: 17-NOV-1993
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                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/09/088,337B FILING DATE: 01-Jun-1998 CLASSIFICATION: <Unknown>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Chicago
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                                                                                                                                          TELEPHONE: (312) 474-63
TELEFAX: (312) 474-0448
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                        TYPE: nucleic acid
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STRANDEDNESS: single
                                            ENGTH: 1901 base pairs
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Gray, Patrick W.
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RESULT 11
PCT-US93-11153-43
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                                                                                        1576 CGACCCCATCATGTATTTCTT 1596
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              201 GGTGATGCCGCCGCTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGC 260
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         261 CCTGTGTGGTTTCTGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAA 320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   796 GCTGTTCGCCTCCTACCTTCTGGATTTTATCCTGGCTTTAGTTGGCAATACCCTGGC 855
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LOCATION: 701..1717
SEQUENCE DESCRIPTION: SEQ ID NO: 43:
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                                                                                                                                                                       GCGCATCCTGGCCAAACCGCATCACCTCCTGCCTCACCAGCCTCAACGGGGCACT 1575
                                                                                                                                                                                                               TCCCTCTGTCCATGGGGCCCTGCACATAACCCTCAGCTTCACCTACATGAACAGCATGCT 971
                                                                                                                                                                                                                                                            CGTCAACCGCTCCGTCTACGTGCTGCACTACCGCAGCCATGGGGCCTCCTGCGCCACCCA 1515
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                                                                                                                                                                                                                                                                                                                                                  GGCAGTGCGCATGATCGCCATAGTGCTGGCCATCTTCCTGGTCTGCTTCGTGCCCTACCA 1455
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                                                                                                                                                                                                                                                                                                                                                                                                                                    CCTGCTGATCATCCGCAGCCTGCGGCAGGGCCTGCGTGGAGAAGCGCCTCAAGACCAA
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Pred. No. 4.4e-21;
                                                                                                                                                                                                                                                                                                                                                                                             --GTTCATCACATGCTA 851
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; Sequence 43, Application PC/TUS9311153; GENERAL INFORMATION:

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Best Local Similarity
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
       1096
                                                                          1036
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                REFERENCE/DOCKET NUMBER: 31794
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: 25-256
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APPLICATION NUMBER: 17-NOV-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: Novel Seven Transmembrane Receptors NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE:
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MEDIUM TYPE: Floppy disk
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LOCATION:
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TOPOLOGY: lir
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TYPE: nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Chicago
STATE: Illinois
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CATTGTGCACCCGGTCAAGTCCCTCAAGCTCCGCAGGCCCCTCTACGCACACCTGGCCTG 1155
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                             AGTGGTCCACCCACCACGGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGT 560
                                                                   CCTCAACATGTACGCCAGCATCTACTTCCTCACCTGCATCAGCGCCGACCGTTTCCTGGC 1095
                                                                                                      CATGAACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAA 500
                                                                                                                                        CTCTGGGAACCACTGGCCATTTGGGGAAATCGCATGCCGTCTCACCGGCTTCCTCTTCTA 1035
                                                                                                                                                                            CAGACGTAGACACTGGGCTTTTGGGGACATTCCCTGCCGAGTGGGGGCTCTTCACGTTGGC 440
                                                                                                                                                                                                               TCTGGCCGTGGCCGACTTGTCGTGCGTGCTGGTCCTGCCCACCCGCCTGGTCTACCACTT 975
                                                                                                                                                                                                                                                                                     TCTGTGGCTTTTCATCCGAGACCACAAGTCCGGGACCCCGGCCAACGTGTTCCTGATGCA 915
                                                                                                                                                                                                                                                 TITGGCCGIGGCIGATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCT 380
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Gray, Patrick W.
Schweikart, Vicki L.
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Bicknell
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Pred. No. 4.4e-21;
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PCT-US95-07180-1
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GENERAL INFORMATION
                                                                                                                     INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07180
                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 2453 base pair
                                                                                                                                                            TELEPHONE: 201-994-1700
                                                                                                                                                                                                                                    CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: RUBEN, STEVEN M
TITLE OF INVENTION: G-PROTEIN RECEPTOR HIBEB69
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
    MOLECULE TYPE:
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                    TOPOLOGY:
                                       STRANDEDNESS:
                                                                                                                                                                                                 NAME: MULLINS, J.G.
REGISTRATION NUMBER: 30.
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                681 GCACGACATCATGTTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTC
                                                             TYPE:
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STATE: NJ
                                                                                                                                                          TELEPHONE:
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GOCAYNE, JEANINE
RUBEN, STEVEN M
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                                                                                                     RESULT 13
US-08-724-974A-1
Sequence 1, Application US/08724974A
Patent No. 5912335
GENERAL INFORMATION:
APPLICANT: Derk J. Bergsma, Cathe
TITLE OF INVENTION: A No. 5912331
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  Bergsma, Catherine E. Ellis
A No. 5912335el G-Protein Coupled Receptor
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Pred. No. 5e-21;
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Best Local Similarity
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NAME: William T. Han
REGISTRATION NUMBER: 34,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETT
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PRIOR APPLICATION DATA:
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CURRENT APPLICATION DATA:
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TOPOLOGY: Lir
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPERATING SYSTEM: WINDOWS
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CCAAGGAGCTGCTGACCAGCATCTACTTCCTGATGCACGAGGAGGTCATCGAGGACGAGA
                                  CCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCTCTGCGTGCAAGAGA
                                                                                                              ACCACGCGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCACCCTGTGGG
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                                                                            TCCGCTTCCACCAGTTCCGGACCCTGAAGGCGGCCGTCGGCGTCAGCGTGGTCATCTGGG
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Pred. No. 8.8e-20;
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Patent No. 9
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                                                                         TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 1:
                 SEQUENCE CHARACTERISTICS:
LENGTH: 1842 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 31,665
REFERENCE/DOCKET NUMBER: 54
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                               SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/442,134A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Lustig, Kevin D.
TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and
TITLE OF INVENTION: Null Cells Expressing P2U Receptors
                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                      STREET: FULL Charlotte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
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 STRANDEDNESS:
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CLASSIFICATION:
                                                                                                             TELEPHONE:
                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY:
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Post Office Drawer 34009
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Parr, Claude E.
Panie
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Turner, John T.
Harden, Thomas K.
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                                                                                                               919-420-2200
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single
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RESULT 15
US-08-444-581B-1
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; LOCATION:
US-08-442-134A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/08444581B Patent No. 5607836
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 215; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL
                                         COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPRESSIT SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 8
                                                                                                                                                                                                                                                                                             APPLICANT: Lustig, Kevin D.
TITLE OF INVENTION: DNA Encoding the Human P2U Receptor and
TITLE OF INVENTION: Null Cells Expressing P2U Receptors
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                 FILING DATE:
                                APPLICATION NUMBER:
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CLASSIFICATION:
                                                                                                                                                                                                 STATE:
                                                                                                                                                                                                      CITY: Charlotte
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                                                                                                                                                                                                                                                ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION:
                                                                                                                                                                                             No.
                                                                                                                                                                                                                           E: Bell, Seltzer, Park & Post Office Drawer 34009
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Turner, John T.
Harden, Thomas K.
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Sullivan, Daniel M.
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             19-MAY-1995
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51.3%;
                                                                                                                                                                                                                                              Seltzer, Park & Gibson
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                            US/08/444,581B
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Pred. No. 4.3e-16;
0; Mismatches 204;
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; LOCATION: 57..1181
US-08-444-581B-1
Search completed: April 3, 2003, 22:47:29 Job time: 70 secs
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FILING DATE: 16-MAY-1995
ATTORNEY/AGENT INFORMATION:
NAME: Sibley, Kenneth D.
REGISTRATION NUMBER: 5470-71A
REFERENCE/DOCKET NUMBER: 5470-71A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-420-220
TELEPAX: 919-481-3175
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1842 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
TOPOLOGY: linear
TOPOLOGY: linear
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Minimum DB seq length: 0
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Perfect score:
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1194
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/cgn2_6/ptodata/1/pubpna/US07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Maximum Match 100%
/ Cgn2_6/ptodata/1/pubpna/VCT NEW PUB.seq:*
/ Cgn2_6/ptodata/1/pubpna/VCT NEW PUB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO6_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO7_NEW PUB.seq:*
/ Cgn2_6/ptodata/1/pubpna/VCTUS_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/VCTUS_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO9_PUBCOMB.seq:*
/ Cgn2_6/ptodata/1/pubpna/USO9_NEW PUB.seq:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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Trode 't sometimes			Sequence 5, Appli	Sequence 1, Appl	Sequence 1, Appli	Sequence 1593,	Sequence 239, App	Sequence 39, Appl	Sequence 3, Appli	Sequence 10. Appl	Sequence 20, Appl	Sequence 218, App		Sequence 1, Appl	Sequence 1, Appl	Sequence 3, Appli	Sequence 1, Appl	Sequence 1, Appl	Description		

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US-09-954-531-1370 US-09-962-436-560	US-10-024-494-7	US-09-104-792-1	US-09-864-761-10158	US-09-864-761-26799	US-10-152-058-2	US-09-254-783A-2	US-09-900-699A-1	US-09-823-114-7	US-10-112-599A-1	US-09-214-904-3	US-10-270-144-3	US-09-214-904-5	US-09-728-422-1	US-09-943-798-3	US-10-270-144-1	US-10-023-775B-1	US-09-967-768A-296	US-10-112-599A-3	US-10-093-766-42	US-10-092-135-11	US-09-728-952-26	US-09-828-478-3	US-09-866-230-6	US-09-826-791-5
Sequence 1370, Ap Sequence 560, App	Sequence 7, Appli	Sequence 1, Appli		Sequence 26799, A	Sequence 2, Appli	Sequence 2, Appli	Sequence 1, Appli .	Sequence 7, Appli	Sequence 1, Appli	Sequence 3, Appli	Sequence 3, Appli	Sequence 5, Appli	Sequence 1, Appli	ന ധ	Sequence 1, Appli	Sequence 1, Appli	Sequence 296, App		Sequence 42, Appl	Sequence 11, Appl	Sequence 26, Appl	Sequence 3, Appli	Sequence 6, Appli	Sequence 5, Appli

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US-09-942-374-1
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Patent No. US20020137063A1
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria Alexsandra
APPLICANT: Gimeno, Ruth
APPLICANT: White, David
TITLE OF INVENTION: 57242, a Human G-Protein Coupled
TITLE OF INVENTION: Receptor Family Member and Uses Therefor
FILE REFERENCE: MPIZ000-368P1R
                                                                                                                                                                                                                                                                       Query Match 100.0%; Score 1193.6; Best Local Similarity 100.0%; Pred. No. 0; Matches 1194; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                     Query Match
Rest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/942,374
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: US 60/228,409
PRIOR FILING DATE: 2000-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: human
FEATURE:
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                            121 GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 180
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GCTCTGCACCCGGACACCTGCTCTGTCCCCGCCATGTACAACGGGTCGTGCTGCCGCATC 180
                                                                                       AGCTGGGTGAGTGCTAACGCTCAGATAAGCATCTGTGCCATTGTGGGGACTCCCTGGGCT 120
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           TTCCAAAGCCAGTCTGATGGGCAATGGGATCCCCCACATTGTTGAGTGGCACTGA 1194
                                                                      CCGGAAGAGATGCCAATTTCGAACCTCGGTCGCAGGAGTTGCATCAGTGTGGCAAATAGT
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                                                        CCGGAAGATGCCAATTTCGAACCTCGGTCGCAGGAGTTGCATCAGTGTGGCAAATAGT
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RESULT 2
US-10-092-135-1
; Sequence 1, Application US/10092135
; Publication No. US20030054374A1

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APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A I
TITLE OF INVENTION: HORREWY27
FILE REFERENCE: D0134.NP
CURRENT APPLICATION NUMBER: US/10/092,135
CURRENT APPLICATION NUMBER: US 60/273,808
PRIOR APPLICATION NUMBER: US 60/273,808
PRIOR APPLICATION NUMBER: US 60/273,808
PRIOR FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US 60/278,983
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 2580
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Best Local Similarity
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SEQ ID NO 3
LENGTH: 1041
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Patent No. US20020137063A1
GENERAL INFORMATION:
APPLICANT: Glucksmann, Maria Alexsandra
                                                                                                                                                                                                                    Matches 1041;
                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Gineno, Ruth
APPLICANT: White, David
TITLE OF INVENTION: 57242, a Human G-Protein Coupled
TITLE OF INVENTION: Receptor Family Member and Uses
FILE REFERENCE: MPI2000-588PIR
CURRENT APPLICATION NUMBER: US/09/942,374
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: US 60/228,409
PRIOR FILING DATE: 2000-08-29
NUMBER OF SEQ ID NOS: 9
                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: human
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                                                                       CTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGTGTGGTTTC
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                                          CACATTGTTGAGTGGCACTGA 1041
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Sequence 1, Application US/09886041
Publication No. US20030059869A1
GENERAL INFORMATION:
APPLICANT: XIA, TAI-HE
APPLICANT: NI, DONGHUI
APPLICANT: EISHINDERELO, HAIFENG
APPLICANT: ARDATI, ALI

APPLICANT: ARDATI, ARI
APPLICANT: MINNICH, ANNE
APPLICANT: JUPP, RAY
TITLE OF INVENTOR

INVENTION: NOVEL G

PROTEIN-COUPLED RECEPTOR

US-09-886-041-1

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LENGTH: 1041
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Best Local Similarity
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CURRENT APPLICATION NUMBER: US/09/886,041
CURRENT FILING DATE: 2001-06-22
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin Ver. 2.1
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TCAAGCCCCTCCTTTCCCAAATTCTACAACAAGCTCAAAATCTGCAGTCTGAAACCCAAG
                                                             CACATAACCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCCCTGGTGTATTATTTT 993
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Pred. No. 0;
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APPLICANT: EISHOURBAGY, NABIL
APPLICANT: GANTU, WAHANANDEESHWAR
APPLICANT: GANTU, WAHANANDEESHWAR
APPLICANT: IGNAR, DIANE MICHELE
TITLE OF INVENTION: MOLECULAR CLONING OF A CHEMOKINE LIKE
TITLE OF INVENTION: MOLECULAR CLONING OF A CHEMOKINE LIKE
CURRENT FAPPLICATION NUMBER: US/99/862,274
CURRENT FILING DATE: 2001-05-22
PRIOR APPLICATION NUMBER: US 09/580,675
PRIOR APPLICATION NUMBER: US 09/580,675
PRIOR APPLICATION NUMBER: US 0026839.1
PRIOR FILING DATE: 2000-11-02
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1041
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US-09-862-274-1
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Patent No. US20020052022A1
GENERAL INFORMATION:
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ORGANISM: HOMO SAPIENS
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                   CACCACGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATCGTCTGCACCCTGTGG
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 CACCACGCGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCACCCTGTGG
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Pred. No. 0;
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APPLICANT: Tian, Hui
APPLICANT: Zhao, Jiagang
APPLICANT: Chen, Jin-Long
APPLICANT: Chen, Jin-Long
APPLICANT: Cutler, Gene
APPLICANT: Tularik Inc.
TITLE OF INVENTION: NO. US20030045685A1el Receptors
FILE REFERENCE: 018781-008110US
CURRENT APPLICATION NUMBER: US/10/094,417
CURRENT APPLICATION NUMBER: US 09/802,803
PRIOR APPLICATION NUMBER: US 09/802,803
PRIOR APPLICATION NUMBER: US 60/276,649
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 43
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US-10-094-417-7
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                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/10094417 Publication No. US20030045685A1 GENERAL INFORMATION:
                                                                                        SOFTWARE: PatentIn Ver.
SEQ ID NO 7
LENGTH: 1041
             ORGANISM: Homo sapiens FEATURE:
OTHER INFORMATION: human FEATURE:
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LENGTH: 2051
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/962,832
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/235,077
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,280
PRIOR APPLICATION NUMBER: US/60/235,280
PRIOR FILING DATE: 2000-09-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILE REFERENCE: 689290-74
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TTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTCCTTCAAGATTGTT
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                                             CCTGCAAATGTGTGCATCAGCTTCAGCATCTGCCATACCTTCCGGTGGCACGAAGCTATG
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Best Local (
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CURRENT APPLICATION NUMBER: US/09/944,807
CURRENT FILING DATE: 2001-08-31
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APPLICANT: Boehringer Ingelheim Pharma KG
TITLE OF INVENTION: Method for identifying substances which positively
TITLE OF INVENTION: inflammatory conditions of chronic
TITLE OF INVENTION: inflammatory airway diseases
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                                                    TGGGCTTTTGGGGACATTCCCTGCCGAGTGGGGCTCTTCACGTTGGCCATGAACAGGGCC 453
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TGGAACTTTGGGGACATCCCTTGCCGGCTGGTGCTCTTCATGTTTGCCATGAACCGCCAG
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Pred. No. 1.5e-109;
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Publication No. US20030054374A1
GENERAL INFORMATION:
                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: PatentIn version 3.0
SEQ ID NO 10
LENGTH: 207
                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bristol-Myers Squibb Company
TITLE OF INVENTION: POLYNUCLECTIDE ENCODING A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR,
TITLE OF INVENTION: HGREMY27
FILE REFERENCE: D0134.NP
CURRENT APPLICATION NUMBER: US/10/092,135
CURRENT FILING DATE: 2002-03-06
PRIOR APPLICATION NUMBER: US 60/273,808
PRIOR APPLICATION NUMBER: US 60/273,808
PRIOR FILING DATE: 2001-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: US 60/278,983
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 75
                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1039 АСТСТСАРАСССРАСССРОСАСАСТСРАРАР 1072
205 ATGCCGCCGCTGCTCATTGTGGCCTTTGTGCTGGGCGACTAGGCAATGGGGTCGCCCTG 264
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                                                                  17.3%; Score 207; DB 9; 1 ilarity 100.0%; Pred. No. 2.9e-57; Conservative 0; Mismatches 0;
                                                                                                                                                         Length 207;
                                                                                  Indels
                                                                          Gaps
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PRIOR FILING DATE: 2000-11-15
PRIOR PPLICATION NUMBER: PCT/US00/13737
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: 60/135,167
PRIOR FILING DATE: 1999-05-20
PRIOR PPLICATION NUMBER: 60/143,616
PRIOR FILING DATE: 1999-07-13
PRIOR FILING DATE: 1999-07-13
PRIOR APPLICATION NUMBER: 60/152,934
PRIOR APPLICATION NUMBER: 60/152,934
PRIOR APPLICATION NUMBER: 60/189,029
PRIOR APPLICATION NUMBER: 60/189,029
PRIOR FILING DATE: 1900-09-09
PRIOR APPLICATION NUMBER: 60/189,029
PRIOR FILING DATE: 2000-03-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE:
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/10116252
Publication No. US20030028008A1
GENERAL INFORMATION:
APPLICANT: Ni et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 446;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/116,252
CURRENT FILING DATE: 2002-04-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Seven Transmembrane Receptor Polynucleotides, TITLE OF INVENTION: Polypeptides, and Antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: PT007P1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH:
506 TCCACCCCACCCACGCGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCA 565
                                                                                                                                                                 189 ATGAGACCTGGCGCTTTGGGGCTGCTGCCAAAGTCAACCTCTTCATGCTGTCCACCA 248
                                                                                                                                                                                              386 GTAGACACTGGGCTTTTTGGGGACATTCCCCTGCCGAGTGGGGCTCTTCACGTTGGCCATGA 445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         206 TGCCGCCGCTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGT 265
                                                                                                                                                                                                                                                        129 TGGCCGCTGACTTCCTCCTGATCAGCAACCTGCCCCTCCGCGTGGACTACTACCTCCTCC
                                                                                                                                                                                                                                                                                                   326 CCGTGGCTGATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGAC
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                                                                        ACCGCACGGCCAGCGTTGTCTTCCTCACAGCCATCGCACTCAACCGCTACCTGAAGGTGG
                                                                                                                 ACAGGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGG 505
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54.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 190.4; DB 9;
Pred. No. 1.9e-51;
0; Mismatches 356;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 1423;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels 12;
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US-09-826-508-39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 39, Application US/09826508 Patent No. US20010025099A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 39
                                                                                                                                                                                                                                             Matches 446;
                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides TITLE OF INVENTION: and Polynucleotides FILE REFERENCE: GP-70744USB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Nabil Elshourbagy APPLICANT: Lisa Vawter
                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS:
SOFTWARE: FastSEQ for
                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/826,508
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                                                                                                                                                                                                                                                                                                                         LENGTH: 1594
TYPE: DNA
ORGANISM: HOMO SAPIENS
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                                                                                                                                ORGANISM: Homo sapiens US-09-962-832-239
                                                                                                                                                                                                                                                                                                                                                                                                              Patent No. US20020110821A1
GENERAL INFORMATION:
                                                                                                                                                                                SEQ ID NO 239
LENGTH: 2061
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 239, Application US/09962832
                                                                                                Query Match
                                                                                                                                                                                                                                              CURRENT APPLICATION NUMBER: US/09/962,832
CURRENT FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US/60/235,077
PRIOR FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US/60/235,280
PRIOR FILING DATE: 2000-09-25
PRIOR FILING DATE: 2000-09-25
                                                                                                                                                                                                                                                                                                                                                  TITLE OF INVENTION: Cancer Gene Determination TITLE OF INVENTION: Sets FILE REFERENCE: 689290-74
                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 259
SOFTWARE: PatentIn version 3.0
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                                                                                                                                                                   TYPE: DNA
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                                                                 al Similarity 51.:
425; Conservative
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                                                                                  Score 136; DB 10;
Pred. No. 1.1e-33;
                                                                  Mismatches
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US-09-954-456-1593
; Sequence 1593, Application US/09954456
; Patent No. US20020115057A1
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                                                                                                                                                                                                                                                            GENERAL INFORMATION: APPLICANT: Young, P
                                                                                                                                                         APPLICANT: Young, Paul TITLE OF INVENTION: Process for Identifying TITLE OF INVENTION: Sets FILE REFERENCE: 689290-76 CURRENT APPLICATION NUMBER: US/09/954,456 CURRENT FILING DATE: 2001-09-18
                  PRIOR
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                                                                         PRIOR APPLICATION NUMBER: US/60/233,617
PRIOR FILING DATE: 2000-09-18
PRIOR APPLICATION NUMBER: US/60/234,052
PRIOR FILING DATE: 2000-09-20
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                                   APPLICATION NUMBER: US/60/234,923 FILING DATE: 2000-09-25
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                APPLICATION NUMBER: US/60/235,134
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SOFTWARE: Pates:
SEQ ID NO 1593
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Best Local Similarity 51.2%;
Matches 425; Conservative
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PRIOR APPLICATION NUMBER: US/60/235,840
PRIOR FILING DATE: 2000-09-27
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PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 2276
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PRIOR APPLICATION NUMBER: US/60/235,720
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PRIOR APPLICATION NUMBER: US/60/235,711
                                     1217 TGGCCAGAGTCCTGATGCACATCTTCCAGAATCTGGGGAGCTGCAGGGCCCTTTGTGCAG 1276
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                                                                            CTGCTAGACT-CTATTTCCTCTGGACGGTGCCCTCGAGTGCCTGCGATCCCTCTGTCCAT 924
                                                                                                                     CCCAGGCACTGGTCACCTTGGTGGTGGTGCTTTTGCTCTGTGCTTTCTGCCCTTGCTTCC
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
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PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: US 60/326,669
PRIOR FILING DATE: 2001-10-02
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CURRENT APPLICATION NUMBER: US/10/109,549
CURRENT FILING DATE: 2002-07-09
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TITLE OF INVENTION: TRANSGENIC MICE CONTAINING GPR31 GENE
TITLE OF INVENTION: DISRUPTIONS
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    TACTCTTCCTTCAGGTCCTGCTTCCCTTTGGCCTCATCTCCTTCTGCAACAGTGGGC
                                                                     TCATGTTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTCCTTCAAGA 748
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Patent No. US20020052001A1
GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patentin Ver: 2.1
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TITLE OF INVENTION: ASSAY
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                                                                                                                           CATGAACAGGCCGGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAA
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      16154066 seqs, 8097743376 residues
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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310.6	310.8	318.8	318.8	372.4	1178.4	Score
26.0	26.0	26.7	26.7	31.2	98.7	Query Match Length DB ID
801	1057	885	870	2146	1372	Length
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ktwkgstvylenlavadelmicchpfridyvlerrhwaegdipcrvgletlandrags
Iveltvyladryfkuvhdelmicthpfridytlerthwikthroode
Tavscesfimesdangmedimfoleffmplgiilfcsfkivwslerroolerankka
Trfimvvalvficylesvsariyflwtvpssacdpsvhgalhitlsftymnsmldpl
Vyyfsgsgfpkfynklkicslkpkgpghsktorpeempisnlgarscisvansfosos
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Homo sap
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Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: National Institutes of Health Intramura
Sequencing Center (NISC),
Contact: nisc_mgc@nhgri.nih.gov
Akhter, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,
Akhter, N., Ayele, K., Beckstrom-Sternberg, S.M., Benjamin, B.,
Blakesley, R.W., Boulfaard, G.G., Breen, K., Brinkley, C., Brooks, S.,
Dietrich, N.L., Granite, S., Guan, X., Gupta, J., Haghighi, P.,
Hansen, N., Ho, S.-L., Karlins, E., Laric, P., Legaspi, R., Maduro, O.L.,
Masiello, C., Maskeri, B., Mastrian, S.D., McCloskey, J.C., McDowell, J.,
Pearson, R., Stantripop, S., Thomas, P.J., Touchman, J.W., Tsurgeon, C.,
Vogt, J.L., Walker, M.A., Wetherby, K.D., Wiggins, L., Young, A.,
Zhang, L.-H. and Green, E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Submitted (08-APR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 2146)
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protein, clone IMAGE:5222688, mRNA.
BC027965
BC027965.1 GI:20379752
                                                                                                                                                                                                                                                    Gaithersburg, Maryland;
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clone distribution: MGC clone distribution information can be for through the I.M.A.G.B. Consortium/LLINI at: http://image.llnl.gov Series: IRAK Plate: 49 Row: 1 Column: 24 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 5174466

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                              GTCCATGGGGCCCTGCACATAACCCTCAGCTTCACCTACATGAACAGCATGCTGGATCCC 978
                                                                     ATCCGCATCTTCTGGCTCCTGCACACTTCGGGCACGCAGAATTGTGAAGTGTACCGCTCG
                                                                                                    CTCTATTTCCTCTGGACGGTGCCCTC-----GAGTGCCTGCGATCCCTCT 918
                                                                                                                                                                        TTCATCATGGTGGTGGCAATTGTGTTCATCACATGCTACCTGCCCAGCGTGTCTGCTAGA 873
                                                                                                                                                                                                                  TGGAGCCTGCGGCAGAG---ACAAATGGACCGGCATGCCAAGATCAAGAGAGCCATCACC 753
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/lab_host="DH10B"
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Location/Qualifiers
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0; Mismatches 316;
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                         TGGGCTTTTGGGGACATTCCCTGCCGAGTGGGGCTCTTCACGTTGGCCATGAACAGGGCC
                                                              GACTITICTACTGATCATCTGCCTGCCCTTCCTGATGGACAACTATGTGAGGCGTTGGGAC
                                                                                                                                                            TGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCT
TGGAAGTTTGGGGACATCCCTTGCCGGCTGATGCTCTTCATGTTGGCTATGAACCGCCAG
                                                                                                                             TGTTTCCACCTCAAGTCCTGGAAATCCAGCCGGATTTTCCTGTTCAACCTGGCAGTGGCT
                                                                                                                                                                                                                           CTGCTCATTGTGGCCTTTGTGCTGGGCGCACTAGGCAATGGGGTCGCCCTGTGTGGTTTTC
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                                                                                                                                                                                                                                                                                                                               486;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AL545172 LTI_NFL006_PL2 Homo sapiens cDNA clone CS0DI028YL20 prime, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: segref@genoscope.cns.fr,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Genoscope - Centre National de Sequencage
BP 191 91006 EVRY cedex - France
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1 (bases 1 to 870)
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Score 318.8;

DB 9;

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Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr
Location/Qualifiers
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                      рJ
                                  /note="Wector: pCMVSPORT 6; Site_1: NotI; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pcMVSPORT 6 vector. Library was normalized. Library was constructed by life Technologies. Contact: Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive Rockville, Maryland 20850, USA Fax: (1) 301 610 8371 Email: fliang@lifetech.com URL: http://fulllength.invitrogen.com"
                                                                                                                                                                                                                                  /clone="CSODIO26YP01"
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                                           Bukaryota; Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae,
1 (bases 1 to 1057)
               NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
                                                                                                                                                   5', mRNA sequence.
BM918711
                                                                                                                                                                               AGENCOURT_6635052 NIH_MGC_120
                                                                                                                                                                                                  BM918711
Unpublished
                                                                                           Homo sapiens
                                                                                                                                        BM918711.1
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20 Homo
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                  Gene Collection
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                                                                                                                                                                                                    linear
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ne IMAGE:5747743
                                                                 Euteleostomi; Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                     GGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGGTCCACCCC 513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGACGTAGACAC 393
TTCCTCCTGGAGTTCTTCCTGCCCCCTGGGCATCATCCTGTTCTGCTCAGCCAGAATTATC
                                           TTCCAGCTGGAGTTCTTTATGCCCCTCGGCATCATCTTATTTTGCTCCTTCAAGATTGTT 753
                                                                                                                                                                                                                                        GCCCTGGTCATCCTGGGAACAGTGTATCTTTTGCTGGAGAACCATCTCTGCGTGCAAGAG 633
                                                                                                                                                                                                                                                                                                                                      CACCACGCGGTGAACACTATCTCCACCCGGGTGGCGGCTGGCATCGTCTGCACCCTGTGG 573
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATAGACAAGAACTGCTGTGTGTTCCGAGATGACTTCATTGTCAAGGTGTTTGCCGCCG 154
                                                                                             GGTGCAAATTTGTGCAGCAGCTTCAGCATCTGCCATACCTTCCAGTGGCACGAAGCCATG
                                                                                                                                             GGCATCACTATTGGCCTGACAGTCCACCTCCTGAAGAAGAAGATGCCGATCCAGAATGGC 574
                                                                                                                                                                                                                                                                                         CACCACGCCCTGAACAAGATCTCCAATCGGACAGCCATCATCTCTTGCCCTTCTGTGG
                                                                                                                                                                                                                                                                                                                                                                                      GGCAGCATCATCTTCCTCACGGTGGTGGCGGTAGACAGGTATTTCCGGGTGGTCCATCCC 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGGAAGTTTGGGGACATCCCTTGCCGGCTGATGCTCTTCATGTTGGCTATGAACCGCCAG 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TGGGCTTTTGGGGGACATTCCCTGCCGAGTGGGGCTCTTCACGTTGGCCATGAACAGGGCC 453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GACTTTCTACTGATCATCTGCCTGCCCTTCCTGATGGACAACTATGTGAGGCGTTGGGAC 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCT 333
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Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov
Plate: LLAM12774 row: g column: 08
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /note="Organ: pooled pancreas and spleen; Vector: pCMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RNA source anonymous pool of spleen and pancreas from 28 yo male. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.5 kb, insert size range 1-2.5 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 025. Note: this is a NIH_MGC Library."

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/lab_host="DH10B"
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/db_xref="taxon:9606"
/clone="IMAGE:5747743"
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                                                  157
                                                                                                                                                                        154 ATGTACAACGGGTCGTGCTGCCGCATCGAGGGGGACACCATCTCCCAGGTGATGCCGCCG 213
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                                                                                                                                                                                                                                           Local Similarity
TGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCT 333
                                           GTGTTGGGGCTGGAGTTTATCTTCGGGCTTCTGGGCAATGGCCTTGCCCTGTGGATTTTC 216
                                                                                    ATAGACAAGAAGAACTGCTGCGTGTTCCGAGATGACTTCATTGTCAAGGTGTTGCCGCCG 156
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATCCGCATCTTCTGGCTCCTGCACAC 837
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                                                                                                                                                                                                                      466;
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CINA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 801)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC)
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http://image.llnl.gov
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                                                                                                                                                                                                                                                                                                                                 157
                                                                                                                                                                                                                      Conservative
                                                                                                                                                                                                                                                                                                                           /note="Organ: pooled pancreas and spleen; Vector:
pCMV-SPORT6; Site_1: Not1; Site_2: EccRV (destroyed); RNA
source anonymous pool of spleen and pancreas from 28 yo
male. Library is oligo-dT primed and directionally cloned
(EcoRV site is destroyed upon cloning). Average insert
size_1.5 kb, insert size range_1-2.5 kb. Library is
normalized and enriched for full-length clones and was
constructed by C. Gruber (Invitrogen). Research Genetics
tracking code 025. Note: this is a NIH_MGC Library."
a 231 c 205 g 208 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /clone="IMAGE:5222688"
/clone_lib="NIH_MGC_120"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="taxon:9606"
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                                                                                                                                                                                                                                        Score 310.6; DB 13;
Pred. No. 2.4e-78;
                                                                                                                                                                                                                      Mismatches 239;
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AGENCOURT_6631998 NIH_MGC_118 Homo sapiens cDNA clone IMAGE:5756984 sequence.
                                                                                                                              found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov plate: LLAM12798 row: h column: 09
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Tissue Procurement: Life Technologies, Inc.
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/organism="Homo sapiens"
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RESULT 8 BM920158

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BM920158 1063 bp AGENCOURT_6706268 NIH_MGC_120 Homo 5', mRNA sequence.

mRNA linear ES sapiens cDNA clone

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/tissue_type="leukocyte"
/lab_host="DH10B"
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  CACCACGCCCTGAACAAGATCTCCAATTGGACAGCCATCATCTCTTGCCTTCTGTGG
                                        CACCACGCGGTGAACACTATCTCCACCCGGGTGGCGCTGGCATCGTCTGCACCCTGTGG 573
                                                                                                                                                                                                                                                                                                                    GATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAGACGTAGACAC 393
                                                                                                                                                                                                                                                                                                                                                                                                  TGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAATTTGGCCGTGGCT 333
                                                                                                                                                                                                                                                                                                                                                                                                                                                            GTGTTGGGGCTGGAGTTTATCTTTGGGCTTCTGGGCAATGGCCTTGCCCTGTGGATTTTC 233
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATGTACAACGGGTCGTGCTGCCGCATCGAGGGGGACACCATCTCCCAGGTGATGCCGCCG 213
                                                                                          GGCAGCATCATCTTCCTCACGGTGGTGGTGGCGGTAGACAGGTATTTCCGGGTGGTCCATCCC
                                                                                                                                     GGGAGCATCGTGTTCCTTACGGTGGTGGCTGCGGACAGGTATTTCAAAGTGGTCCACCCC 513
                                                                                                                                                                                                                              TGGGCTTTTGGGGACATTCCCTGCCGAGTGGGGCTCTTCACGTTGGCCATGAACAGGGCC 453
                                                                                                                                                                                                                                                                         GACTITICIACIGATICATOTGOCTIGOCGITTOGTGATGGACTACTATGTGCGGCGTTCAGAC 353
                                                                                                                                                                                                                                                                                                                                                                   TGTTTCCACCTCAAGTCCTGGAAATCCAGCCGGATTTTCCTGTTCAACCTGGCAGTAGCT 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Plate: LLAM12780 row: g column: 04
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National Institutes of Health, Mammalian Gene Collection (MGC)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /clone="IMAGE:5750043"
/clone_lib="NIH_MGC_120"
/lab_host="DH10B"
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Pred. No. 4.3e-76;
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                                         214 CTGCTCATTGTGGCCTTTGTGCTGGGCGACTAGGCAATGGGGTCGCCCTGTGTGGTTTC 273
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GTGTTGGGGCTGGAGTTTATCTTCGGGCTTCTGGGCAATGGCCCTTGCCCCTGTGGATTTTC
                                                                                    ATARACAARAARAACTGCTGTGTGTCCCGAGATGACTTCATTKTCAAGGTGTTGCCGCCG 150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Li, W.B., Gruber, C., Jessee, J. and Polayes, D. Full-length CDNA libraries and normalization Unpublished (2001)
Contact: Genoscope
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: segref@genoscope.cns.fr,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP 191 91006 EVRY cedex - France
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                         /note="Wector: pcWvSpORT 6; Site 1: NotI; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-stranded cDNA was digested with Not I and cloned into the Not I and Eco RV sites of the pcWvSpORT 6 vector. Library was normalized. Library was constructed by Life Technologies. Contact: Feng Liang Life Technologies, a division of Invitrogen 9800 Medical Center Drive Rockville, Maryland 20850, USA Fax: (1) 301 610 8371 Email: filing@lifetech.com URL:
                                                                                                                                                                                                                                                                                  http://fulllength.invitrogen.com"
240 c 210 g 214 t 1
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/clone="CS001081YK03"
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/tissue_type="placenta"
/tissue_type="placenta"
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                                 CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11440 row: a column: 14
                                                                                                                                                       Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
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National Institutes of Health, Mammalian
Unpublished (1999)
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                                                          TGGAAGTTTGGGGACATCCCTTGCCGGCTGGTGCTCTTCATGTTTGCCCATGAAC-CGCCA 383
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Tissue Procurement: Life Technologies, Inc.
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National Institutes of Health, Mammalian Gene Collection (MGC)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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this is a NIH_MGC Library."
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/clone_lib="NIH_MGC_118"
/tissue_type="leukocyte"
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154 ATGTACAACGGGTCGTGCCGCCATCGAGGGGGACACCATCTCCCAGGTGATGCCGCCG 213

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         Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         444 CACCACGCCCTGAACAAGATCTCCAATTGGACAGCAGCCATCATCTCTTGCCTTCTGTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                384 GGCAGCATCATATTCCTCACGGTGGTGGCGGTAGACAGGTATTTCCGGGGTGGTCCATCCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Dr. Mark Watson
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National Institutes of Health, Mammalian Gene Collection (MGC)
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      Similarity
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Clone distribution: MGC clone distribution information can be
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                                                                         /clone="IMAGE:5450832"
/clone lib="NIH MGC 113"
/lab_Sost="DH10B (phage-resistant)"
/lab_Sost="DH10B (phage-resistant)"
/note="Organ: spleen; Vector: pOTB7; Site 1: XhoI; Site 2:
/note="Organ: spleen; Vector: pOTB7; Directionally cloned into EcoRI/XhoI sites using the following 5 adaptor: GGCACGAG(G). Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies). Note: this is a 216 c 193 g 190 t
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musculus cDNA clone G630046N17 5', mRNA sequence
BB873518
                                                                                                                                             Akimura, T., Arakawa, T., Carninci, P., Furuno, M., Hanagaki, T., Hayateu, N., Hiramoto, K., Hiraoka, T., Hirozane, T., Inctani, K., Tshii, Y., Ito, M., Kawai, J., Kojima, Y., Konno, H., Kouda, M., Matsuyama, T., Nakamura, M., Nishi, K., Nomura, K., Numasaki, R., Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sakazume, N., Sasaki, D., Sato, K., Shibata, K., Shinagawa, A., Shiraki, T., Sogabe, Y., Suzuki, H., Tagawa, A., Takahashi, F., Takaku-Akahira, S., Tanaka, T., Tomaru, A., Toya, T., Watahiki, A., Yasunishi, A., Muramatsu, M. and Hayashizaki, Y., Watahiki, Yasunishi, A., Muramatsu, M. and Hayashizaki, Y., RIKEN Encyclopedia of Mouse Full-length cDNAs (Akimura, T., et al.
               Laboratory for Genome Exploration Research Group, RIKEN Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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URL:http://genome.gsc.riken.go.jp,
Carninci, P., Shibata, Y., Hayatsu, N., Sugahara, Y., Shibata, K., Itoh
Carninci, P., Shibata, Y., Muramatsu, M. and Hayashizaki, Y.
Normo, H., Okazaki, Y., Muramatsu, M. and Hayashizaki, Y.
Normalization and subtraction of cap-trapper-selected cDNAs to
Normalization and subtraction of cap-trapper selected cDNAs to
prepare full-length cDNA libraries for rapid discovery of new
genes. Genome Res. 10 (10), 1617-1630 (2000)
genes. Genome Res. 10 (10), 1617-1630 (2000)
wagi, K., Fujiwake, S., Inoue, K., Togawa, Y., Tanaka, T., Matsuura
Watahiki, M., Yoneda, Y., Ishikawa, T., Osawa, K., Tanaka, T., Matsuura
S., Kawai, J., Okazaki, Y., Muramatsu, M., Inoue, Y., Kira, A. and
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Fax: 81-45-503-9216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequencing pipeline with 384 multicapillary sequencer. 10 (11), 1757-1771 (2000)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sex=mixed), (tissue_type=hippocampus, dev_stage=adult, sex=male), (tissue_type=whole body, dev_stage=9 days embryo, sex=mixed), (tissue_type=lung, dev_stage=13 dayembryo, sex=mixed), a 106 c 92 g 104 t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tissues.
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/note="pooled tissues; (tissue_type=cerebellum,
dev_stage=16 days neonate,
(tissue_type=cerebellum, dev_stage=0 day neonate,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
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/clone="G630046N17"
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/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                            CTGCTTTCACATGAAGACCTGGAAGTCAAGCACTATTTACCTTTTCAA
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URL:http://genome.gsc.riken.go.jp/
Carninci,P., Shibata,Y., Hayatsu,N., Sugahara,Y., Shibata,K., Itoh
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,S., Kawai,J., Okazaki,Y., Muramatsu,M., Inoue,Y., Kira,A. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Laboratory for Genome Exploration Research Group, RIKEN Genomic Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suchiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-0045, Jap
Tel: 81-45-503-9222
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Hayatsu,N., Hiramoto,K., Hiraoka,T., Hirozana,T., Imotani,K.,
,Y., Ito,M., Kawai,J., Kojima,Y., Konno,H., Kojida, M., Marsuv,
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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                        embryo,
a 106
                                                                         sex=mixed), (tissue_type=hippocampus, dev_stage=adult, sex=male), (tissue_type=whole body, dev_stage=9 days embryo, sex=mixed), (tissue_type=lung, dev_stage=13 days
                                                                                                                                                                                                              /dev_stage="15 days embryo"
/note="pooled tissues; (tissue_type=cerebellum, dev_stage=16 days neonate, sex=mixed),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         367 bp mRNA linear EST 27-NO RIKEN full-length enriched, 15 days embryo brain Mus cDNA clone G630048L01 5', mRNA sequence.
                                                                                                                                                                                  (tissue_type=cerebellum, dev_stage=0 day neonate
                                                                                                                                                                                                                                                                                                                                                                                                                                 clone="G630048L01"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                /strain="C57BL/6J"
/db_xref="taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                              clone_lib="RIKEN full-length enriched, 15 days embryo
                                                                                                                                                                                                                                                                                                                                  tissue_type="brain"
          sex=mixed)"
c 92 g
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                                                                                                                                  Email: genome-res@gsc.riken.go.jp,
URL:http://genome.gsc.riken.go.jp/
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watahiki,M., Yoneda,Y., Ishikawa,T., Ozawa,K., Tanaka,T., Matsuura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 660)
Arakawa, T., Carninci, P., Fukuda, S., Furuno, M., Hanagaki, T., Har.
Hiramoto, K., Hori, F., Ishii, Y., Ito, M., Kawai, J., Konno, H., K.
M., Koya, S., Matsuyama, T., Miyazaki, A., Nomura, K., Ohno, M.,
Okazaki, Y., Okido, T., Saito, R., Sakai, C., Sakai, K., Sano, H., Sa
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Muramatsu, M., and Hayashizaki, Y.
Hayashizaki,Y.

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Konno,H., Fukunishi,Y., Shibata,K., Itoh,M., Carninci,P., Su
                                                                                                                                                                                                                                                                                                                                                                  Laboratory for Genome Exploration Research Group, RIKEN Sciences Center(GSC), Yokohama Institute
The Institute of Physical and Chemical Research (RIKEN)
1-7-22 Suehiro-cho, Tsurumi-ku, Yokohama, Kanagawa 230-
Tel: 81-45-503-9222
Fax: 81-45-503-9216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RIKEN Mouse ESTs (Arakawa,T., et al. 2001)
Unpublished (2001)
Contact: Yoshihide Hayashizaki
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                                                                                                                  S., Kawai,J.,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cDNA clone 4833417H22 5', mRNA sequence
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RIKEN full-length enriched,
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                                                                                                                     Okazaki,Y., Muramatsu,M., Inoue,Y.,
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344 GAACCGACAGGGCATCATCTTCCTCACCGTGGTGGCTGTGGACCGCTACTTCCGGGT
                                                    444 GAACAGGGCCGGGAGCATCGTTTCCTTACGGTGGTGCTGCCGGACAGGTATTTCAAAGT 503
                                                                                                             284 TAACTGGGACTGGAGGTTCGGAGGCATCCCCTGCCGTGTGATGCTCTTCATGTTGGCTAT
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                                                                                                                                                                 ACGTAGACACTGGGCTTTTGGGGACATTCCCTGCCGAGTGGGGCTCTTCACGTTGGCCAT 443
                                                                                                                                                                                                                                                              GGCCGTGGCTGATTTCCTCCTTATGATCTGCCTGCCTTTTCGGACAGACTATTACCTCAG 383
                                                                                                                                                                                                                                                                                                                                      GTGGATTTTCTGTTTCCACCTCAAGTCCTGGAAATCCAGCCGGATTTTCTTGTTCAACTT
                                                                                                                                                                                                                                                                                                                                                                      GTGTGGTTTCTGCTTCCACATGAAGACCTGGAAGCCCAGCACTGTTTACCTTTTCAATTT 323
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TTTTCTAGTGATAAACGGCAAGAACTGCTGTGTGTTCCGAGATGAAAACATCGCCAAGGT 103
                                                                                                                                                                                                                        GGCCGTGGCTGACTTTCTCCTGATCATCTGCCTGCCGTTCCTGACGGACAACTATGTCCA 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          391;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Computational Analysis of Full-Length Mouse cDNAs Compared with Human Genome Sequences. Mamm. Genome. 12, 673-677 (2001) Please visit our web site (http://genome.gsc.riken.go.jp) for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3']. cDNA was cloned into the XhoI and BamHI sites. Vector: a modified pBluescript KS(+) after bulk excision from Lambda FLC I."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   prepared by using trehalose thermo-activated reverse transcriptase and subsequently enriched for full-length by cap-trapper. cDNA went through one round of normalization
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      contributed to prepare mouse tissues. 1st strand cDNA was primed with a primer [5' GAGAGAGAGAGCAGCCCTTTTTTTTTTTTTTTTVN 3'], cDNA was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Genomic Sciences Center and Genome Science Laboratory in RIKEN. Division of Experimental Animal Research in Riken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note="Site 1: SalI; Site 2: BamHI; cDNA library was prepared and sequenced in Mouse Genome Encyclopedia Project of Genome Exploration Research Group in Riken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /tissue_type="head"
/dev_stage="0 day neonate"
/lab_host="DH10B"
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/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="4833417H22"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  clone_lib="RIKEN full-length enriched,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sex="mixed"
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                                                                                                                                                                                         CACCCTGTGGGCCCTGGTCATCCTGGGAAACAGTGTATCTTTTGCTGGAGAACCATCTCTG 623
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